

10 / 513699

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NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10 OCT 27 Free display of legal status information in CA/CAplus, USPATFULL, and USPAT2 in the month of November.
NEWS 11 NOV 23 Addition of SCAN format to selected STN databases
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AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009

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FILE 'HOME' ENTERED AT 13:44:46 ON 23 NOV 2009

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=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY           SESSION
FULL ESTIMATED COST          0.22           0.22
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STRUCTURE FILE UPDATES: 22 NOV 2009 HIGHEST RN 1193309-59-9
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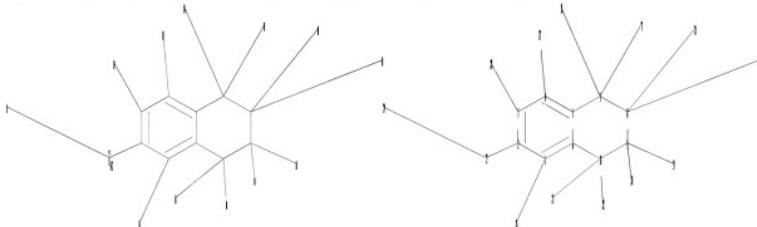
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10598262hydrogen.str
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ring nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
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ring bonds :
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exact/norm bonds :
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10/513699

5-7 6-10 7-8 8-9 9-10 12-29
exact bonds :
1-26 2-12 3-28 4-27 7-16 7-17 8-24 8-25 9-19 9-20 10-21 10-22
normalized bonds :
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G1:H,N

G2:C,H

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
12:CLASS 16:CLASS 17:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 24:CLASS
25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS

L1 STRUCTURE uploaded

=> s l1 sss
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SAMPLE SCREEN SEARCH COMPLETED - 188474 TO ITERATE

1.1% PROCESSED 2000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3743870 TO 3795090
PROJECTED ANSWERS: 4646 TO 6662

L2 3 SEA SSS SAM L1

=> s l1 full
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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 13:45:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3777563 TO ITERATE

51.7% PROCESSED 1954366 ITERATIONS 4603 ANSWERS
52.9% PROCESSED 2000000 ITERATIONS 4603 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.20

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 3777563 TO 3777563
PROJECTED ANSWERS: 8415 TO 8973

L3 4603 SEA SSS FUL L1

10/513699

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=> file caplus
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
FULL ESTIMATED COST                                ENTRY          SESSION
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FILE 'CAPLUS' ENTERED AT 13:45:43 ON 23 NOV 2009
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FILE COVERS 1907 - 23 Nov 2009 VOL 151 ISS 22
FILE LAST UPDATED: 22 Nov 2009 (20091122/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4           116 L3
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SYSTEM LIMITS EXCEEDED - SEARCH ENDED
The search profile you entered was too complex or gave too many answers. Simplify or subdivide the query and try again. If you have exceeded the answer limit, enter DELETE HISTORY at an arrow prompt (>) to remove all previous answers sets and begin at L1. Use the SAVE command to store any important profiles or answer sets before using DELETE HISTORY.
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MISSING OPERATOR L4 PY<2005
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10/513699

=> s l4 and py<2005
25152347 PY<2005
L5 47 L4 AND PY<2005

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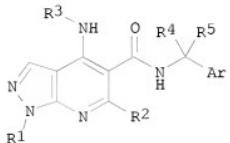
L5 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:570893 CAPLUS
 DOCUMENT NUMBER: 143:97353
 TITLE: Preparation of pyrazolo[3,4-b]pyridines as phosphodiesterase, especially PDE4B, inhibitors for treatment of inflammatory and/or allergic diseases
 INVENTOR(S): Allen, David George; Coe, Diane Mary; Cook, Caroline Mary; Dowle, Michael Dennis; Edlin, Christopher David; Hamblin, Julie Nicole; Johnson, Martin Redpath; Jones, Paul Spencer; Lindvall, Mika Kristian; Mitchell, Charlotte Jane; Redgrave, Alison Judith; Robinson, John Edward; Trivedi, Naimisha
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 295 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058892	A1	20050630	WO 2004-EP14490	20041217
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WO 2004056823	A1	20040708	WO 2003-EP14867	20031219 <--
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CA 2557004	A1	20050630	CA 2004-2557004	20041217
EP 1737857	A1	20070103	EP 2004-804089	20041217
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CN 1914205	A	20070214	CN 2004-80041657	20041217
JP 2007514704	T	20070607	JP 2006-544380	20041217
US 20070111995	A1	20070517	US 2006-596561	20060616
NO 2006003340	A	20060912	NO 2006-3340	20060718
US 20080132536	A1	20080605	US 2008-22372	20080130
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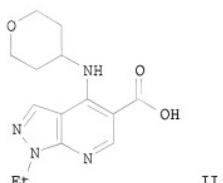
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GB 2002-30045	A 20021223
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US 2006-596561	Al 20060616

OTHER SOURCE(S):
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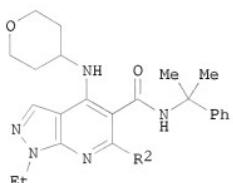
CASREACT 143:97353; MARPAT 143:97353



I



II



III

AB Title compds. I [wherein Ar = (un)substituted Ph, naphthyl, indanyl, pyridinyl, etc. with provisos; R1 = fluoro/alkyl, CH₂CH₂OH; R2 = H, Me, fluorocalkyl; R3 = (un)substituted cycloalkyl, monounsatd. cycloalkenyl, bicyclic, heterocyclic; R4 = H, Me, Et, Pr, i-Pr, fluoroalkyl, cyclopropyl, etc.; R5 = H, fluoro/alkyl, (un)substituted cyclo/alkyl, Ph, etc.; provided that at least one of R4 and R5 is not H; and salts thereof] were prepared as selective phosphodiesterase 4 (PDE4), especially PDE4B, inhibitors. The invention also provides for the use of I for the treatment and/or prophylaxis of an inflammatory and/or allergic disease, such as chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis or atopic dermatitis. Eight biol. methods are given. For example, coupling of acid II with 2-phenyl-2-propanamine gave title compound III. Selected I inhibited PDE4B with IC₅₀ in the range of. I are in particle size-reduced form (DC₅₀ value of about 0.5 to about 10 µ) when used in inhalant compns.

IT 856559-79-0P, 1-Ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-4-[(tetrahydro-2H-pyran-4-yl)amino]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide 856560-45-7P, 4-(Cyclohexylamino)-1-ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide 856561-00-7P, 1-Ethyl-4-[(4-oxocyclohexyl)amino]-N-[1-(5,6,7,8-tetrahydro-2-

naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide
856561-03-0P, 1-Ethyl-4-[4-(hydroxylimino)cyclohexyl]amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide

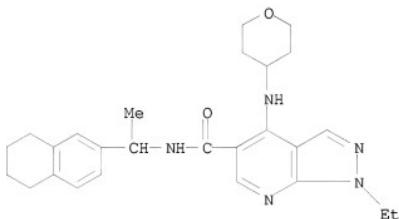
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(PDE4B inhibitor; preparation of pyrazolo[3,4-b]pyridines as PDE4 inhibitors for treatment of inflammatory and/or allergic diseases)

BN 856559-79-0 CAPLUS

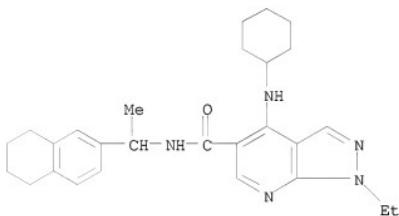
CN 1H-Pyrazolo[3, 4-b]pyridine-5-carboxamide,

1-ethyl-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]-4-[(tetrahydro-2H-pyran-4-yl)amino]- (CA INDEX NAME)



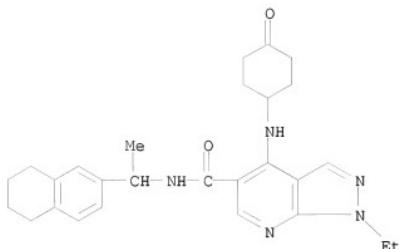
RN 856560-45-7 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,
4-(cyclohexylamino)-1-ethyl-N-[1-(5,6,7,8-



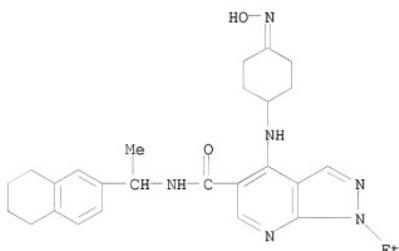
RN 856561-00-7 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,
1-ethyl-4-[(4-oxocyclohexyl)amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl] - (CA INDEX NAME)



RN 856561-03-0 CAPLUS

CN 1H-Pyrazolo[3,4-b]pyridine-5-carboxamide,
 1-ethyl-4-[{4-(hydroxyimino)cyclohexyl}amino]-N-[1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT:

4

THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
(4 CITINGS)

REFERENCE COUNT:

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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

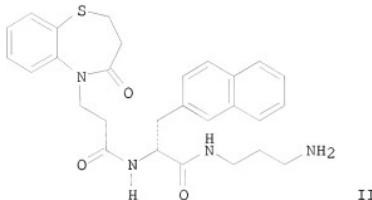
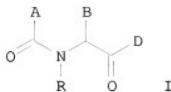
L5 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:207843 CAPLUS
 DOCUMENT NUMBER: 142:261793
 TITLE: Preparation of N-acylalipophilic amino acid derivatives having growth hormone releasing activity
 INVENTOR(S): Funamizu, Hidenori; Ishiyama, Nobuo; Ikegami, Satoru; Okuno, Tadashi; Inoguchi, Kiyoshi; Huang, Ping; Loew, Gilda
 PATENT ASSIGNEE(S): Kaken Pharmaceutical Co., Ltd., Japan; Molecular Research Institute
 SOURCE: U.S., 49 pp., Cont.-in-part of U.S. Ser. No. 916,575, abandoned.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6864250	B1	20050308	US 2000-485845	20000426
WO 9909991	A1	19990304	WO 1998-US17232	19980820 <--
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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 20050059699	A1	20050317	US 2004-962598	20041013
US 7064121	B2	20060620		
US 20060142264	A1	20060629	US 2006-359616	20060223
US 7279573	B2	20071009		
US 20080027038	A1	20080131	US 2007-892063	20070820
PRIORITY APPLN. INFO.:			US 1997-916575	B2 19970822
			WO 1998-US17232	W 19980820
			US 2000-485845	A3 20000426
			US 2004-962598	A3 20041013
			US 2006-359616	A3 20060223

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 142:261793; MARPAT 142:261793

GI



AB The invention relates to amino acid derivs. I [A is a lipophilic group including an aliphatic bridging group, B is a lipophilic group, D is a group having at least one (un)substituted amino group, R is H, alkyl or cycloalkyl] and their pharmaceutically acceptable salts and individual isomers which have growth hormone releasing activity in humans or animals and are useful, e.g., in treating osteoporosis, bone fractures, wounds or burns. Thus, a 2-step synthesis afforded amide II.HCl, which showed growth hormone releasing activity < 10⁻⁸ M.

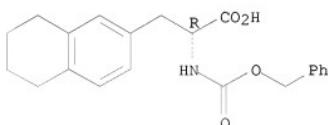
IT 1042394-85-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of N-acylated lipophilic amino acid derivs. having growth hormone releasing activity)

RN 1042394-85-3 CAPLUS

CN 2-Naphthalenepropanoic acid, 5,6,7,8-tetrahydro- α -[(phenylmethoxy)carbonyl]amino-, (α R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

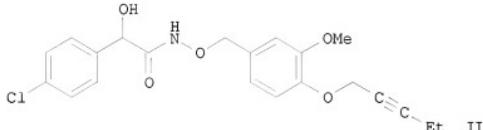
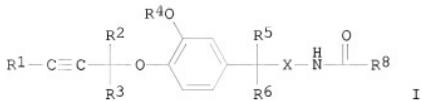
L5 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:333686 CAPLUS
 DOCUMENT NUMBER: 140:357056
 TITLE: Preparation of novel propargyl ether derivatives for controlling phytopathogenic microorganisms
 INVENTOR(S): Lamberth, Clemens; Zeller, Martin
 PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
 SOURCE: PCT Int. Appl., 57 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033413	A2	20040422	WO 2003-EP11218	20031009 <--
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AU 2003293609	A1	20040504	AU 2003-293609	20031009 <--
EP 1549609	A2	20050706	EP 2003-788947	20031009
EP 1549609	B1	20070124		
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BR 2003015122	A	20050816	BR 2003-15122	20031009
CN 1703396	A	20051130	CN 2003-80101131	20031009
CN 100390141	C	20080528		
JP 2006502210	T	20060119	JP 2004-542483	20031009
AT 352539	T	20070215	AT 2003-788947	20031009
ES 2277137	T3	20070701	ES 2003-788947	20031009
US 20060167316	A1	20060727	US 2005-528668	20050322
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			WO 2003-EP11218	W 20031009

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 140:357056

GI



AB The title compds. (I; R1 = H, (un)substituted alkyl, cycloalkyl, aryl; R2, R3, R5-R7 = H, alkyl; R4 = (un)substituted alkyl; X = O, NR7; R8 = CR9R10OR11, CR12R13NHSO2R14 (wherein R9 = (un)substituted (hetero)aryl; R10, R11 = H, (un)substituted alkyl, alkenyl, alkynyl; R12 = (un)substituted alkyl, cycloalkyl, aryl, heteroaryl; R13 = H, (un)substituted alkyl, alkenyl or alkynyl; R14 = (un)substituted alkyl, NH2) which possess plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi, were prepared. E.g., a multi-step synthesis of II, starting from 4-hydroxymethyl-2-methoxyphenol and MeCH2C.tplbond.CCH2OH, was given. Representative compds. I showed at least 80% inhibition of fungal infestation in 3 biol. tests.

IT	1055763-20-6	1055764-24-3	1055764-25-4
	1055764-26-5	1055764-27-6	1055764-28-7
	1055764-29-8	1055764-30-1	1055764-31-2
	1055764-32-3	1055764-33-4	1055765-35-9
	1055765-37-1	1055765-38-2	1055765-39-3
	1055765-40-6	1055765-41-7	1055765-42-8
	1055765-43-9	1055765-44-0	1055766-37-4
	1055766-38-5	1055766-39-6	1055766-40-9
	1055766-41-0	1055766-42-1	1055767-03-7
	1055767-04-8	1055767-05-9	1055767-06-0
	1055767-07-1	1055767-31-1	1055767-32-2
	1055768-24-5	1055768-25-6	1055768-26-7
	1055768-27-8	1055768-73-4	1055769-27-1
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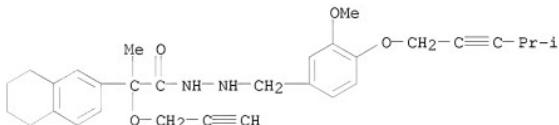
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RL: PRPH (Prophetic)

(Preparation of novel propargyl ether derivatives for controlling
phytopathogenic microorganisms)

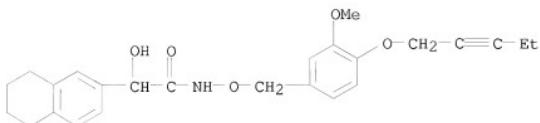
RN 1055763-20-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

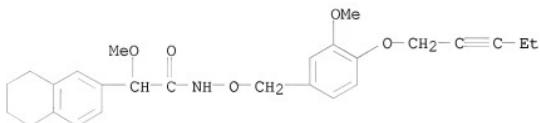


RN 1055764-24-3 CAPLUS

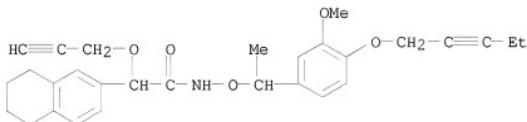
CN 2-Naphthaleneacetamide, 5, 6, 7, 8-tetrahydro-a-hydroxy-N-[{3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxyl- (CA INDEX NAME)



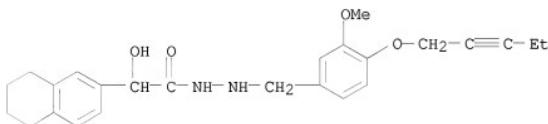
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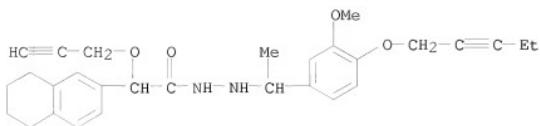
RN 1055764-26-5 CAPLUS
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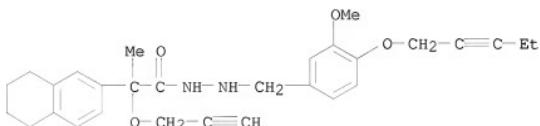
RN 1055764-27-6 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-,
 2-[(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



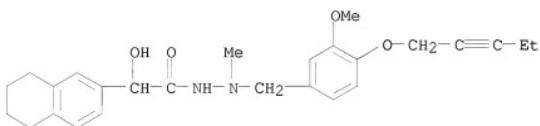
RN 1055764-28-7 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]hydrazide (CA INDEX NAME)



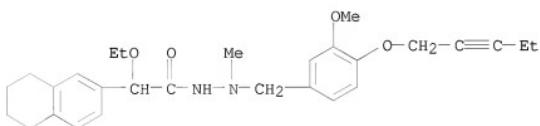
RN 1055764-29-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]methylhydrazide (CA INDEX NAME)

RN 1055764-30-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]methyl-2-methylhydrazide (CA INDEX NAME)

RN 1055764-31-2 CAPLUS

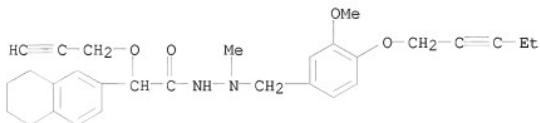
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-, 2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]methyl-2-methylhydrazide (CA INDEX NAME)

RN 1055764-32-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,

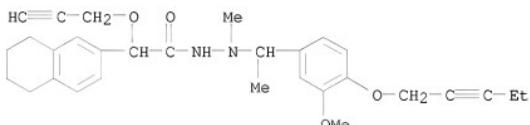
10/513699

2-[{3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



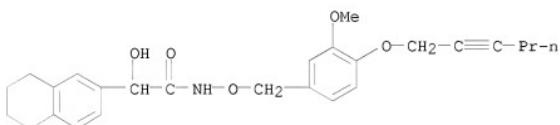
RN 1055764-33-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[1-{3-methoxy-4-(2-pentyn-1-yloxy)phenyl}ethyl]-2-methylhydrazide (CA INDEX NAME)



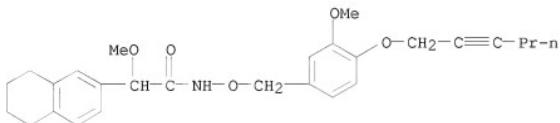
RN 1055765-35-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- α -hydroxy- (CA INDEX NAME)



RN 1055765-37-1 CAPLUS

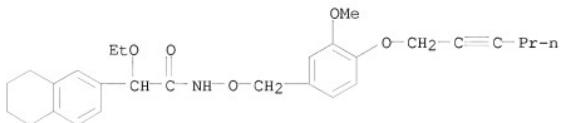
CN 2-Naphthaleneacetamide, N-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



RN 1055765-38-2 CAPLUS

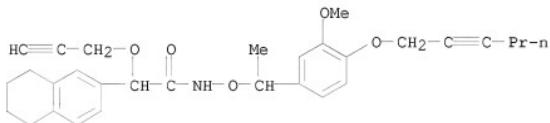
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CN 2-Naphthaleneacetamide, α -ethoxy-N-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



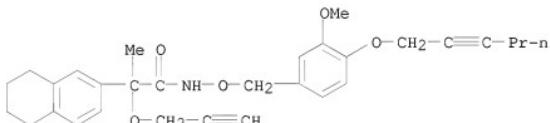
RN 1055765-39-3 CAPLUS

CN 2-Naphthaleneacetamide, N-[1-{4-(2-hexyn-1-yloxy)-3-methoxyphenyl}ethoxy]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



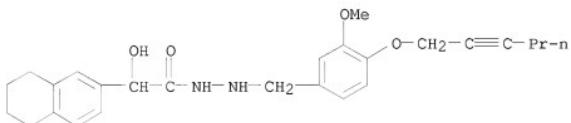
RN 1055765-40-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055765-41-7 CAPLUS

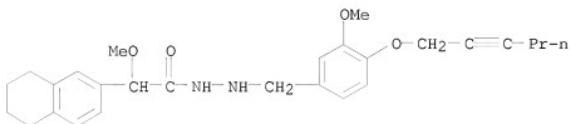
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055765-42-8 CAPLUS

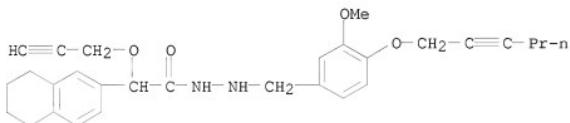
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



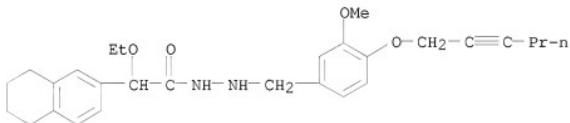
RN 1055765-43-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



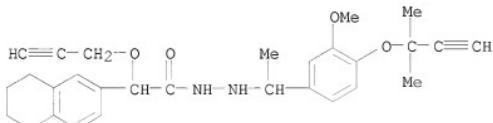
RN 1055765-44-0 CAPLUS

CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
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RN 1055766-37-4 CAPLUS

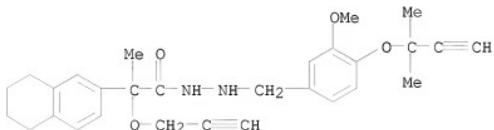
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[1-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethylhydrazide
(CA INDEX NAME)



RN 1055766-38-5 CAPLUS

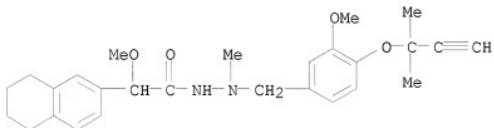
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



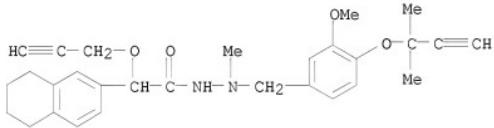
RN 1055766-39-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



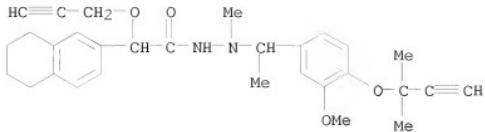
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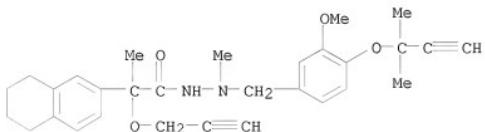


RN 1055766-41-0 CAPLUS

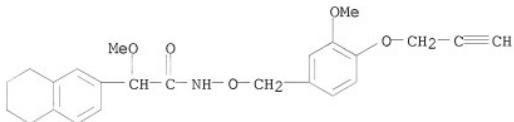
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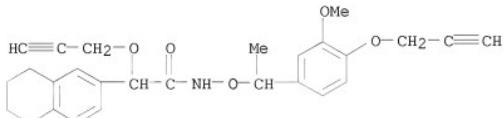
RN 1055766-42-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055767-03-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methoxy]- (CA INDEX NAME)

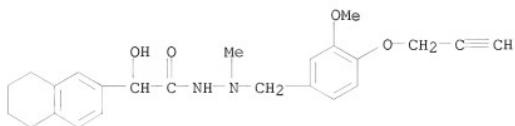
RN 1055767-04-8 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[(1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethoxy)- α -(2-propyn-1-yloxy)- (CA INDEX NAME)

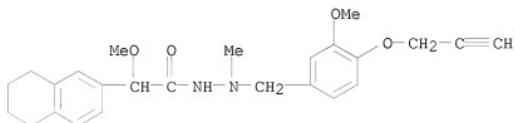
RN 1055767-05-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)

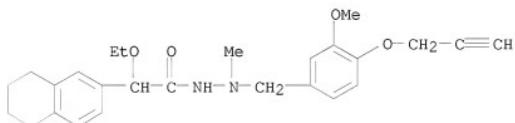
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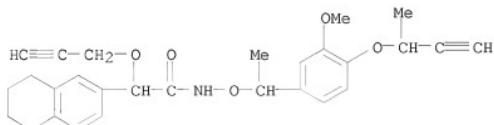
RN 1055767-06-0 CAPLUS

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INDEX NAME)

RN 1055767-07-1 CAPLUS

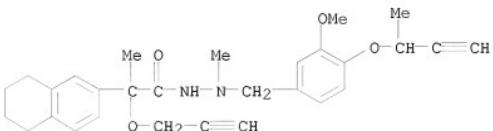
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]-2-methylhydrazide (CA
INDEX NAME)

RN 1055767-31-1 CAPLUS

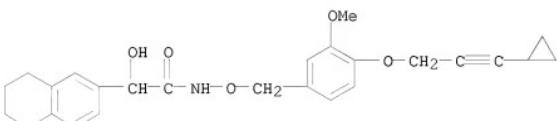
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[1-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)ethoxy]- α -(2-propyn-1-yloxy)- (CA INDEX
NAME)

10/513699

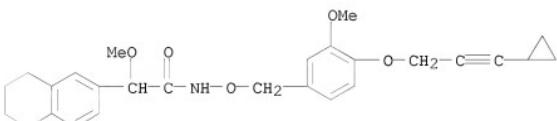
RN 1055767-32-2 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



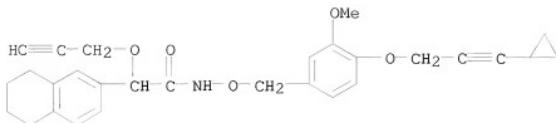
RN 1055768-24-5 CAPLUS
CN 2-Naphthaleneacetamide, N-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -hydroxy- (CA INDEX NAME)



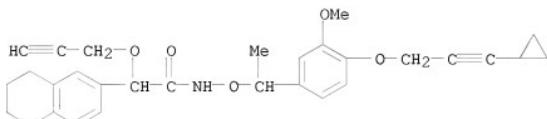
RN 1055768-25-6 CAPLUS
CN 2-Naphthaleneacetamide, N-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



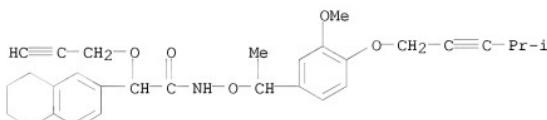
RN 1055768-26-7 CAPLUS
CN 2-Naphthaleneacetamide, N-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



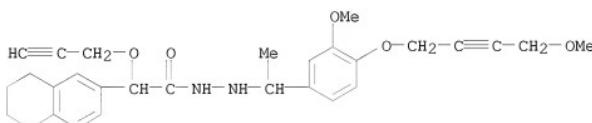
RN 1055768-27-8 CAPLUS
 CN 2-Naphthaleneacetamide, N-[1-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethoxy]-5,6,7,8-tetrahydro-a-(2-propyn-1-yloxy)- (CA INDEX NAME)



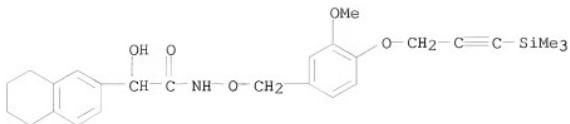
RN 1055768-73-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



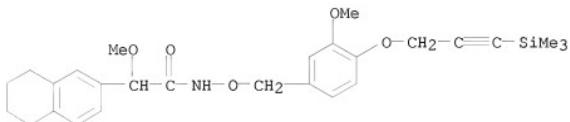
RN 1055769-27-1 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-a-(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]ethyl]hydrazide (CA INDEX NAME)



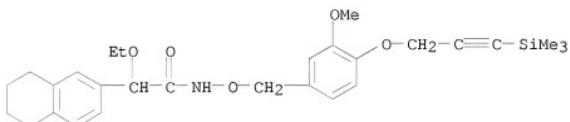
RN 1055769-95-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-a-hydroxy-N-[[3-methoxy-4-[(3-trimethylsilyl)-2-propyn-1-yl]oxy]phenyl]methoxy]- (CA INDEX NAME)



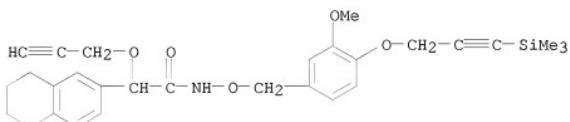
RN 1055769-96-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[{3-methoxy-4-[(3-(trimethylsilyl)-2-propynyl]oxy}phenyl]methoxy]- (CA INDEX NAME)



RN 1055769-97-5 CAPLUS
 CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[{3-methoxy-4-[(3-(trimethylsilyl)-2-propynyl]oxy}phenyl]methoxy]- (CA INDEX NAME)

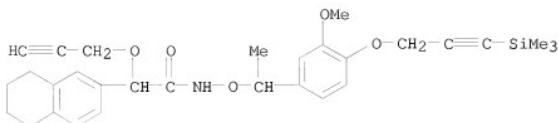


RN 1055769-98-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[{3-methoxy-4-[(3-(trimethylsilyl)-2-propynyl]oxy}phenyl]methoxy]- α -(2-propynyl)oxy- (CA INDEX NAME)

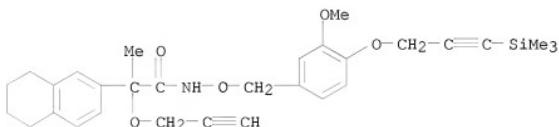


RN 1055769-99-7 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

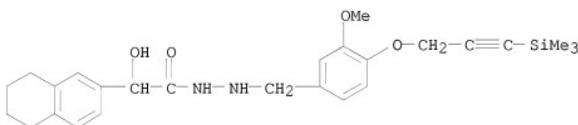
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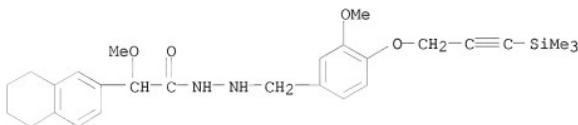
RN 1055770-00-7 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[{3-methoxy-4-[(3-trimethylsilyl)-2-propyn-1-yloxy]phenyl}methoxy]-alpha-methyl-alpha-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055770-01-8 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-alpha-hydroxy-, 2-[(3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)

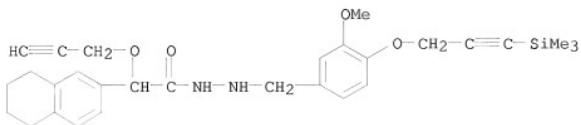


RN 1055770-02-9 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-alpha-methoxy-, 2-[(3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



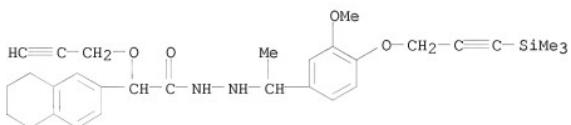
RN 1055770-03-0 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-alpha-(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-

y1]oxyphenyl)methyl]hydrazide (CA INDEX NAME)



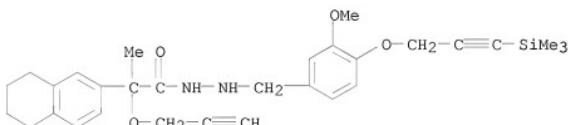
RN 1055770-04-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl]ethyl]hydrazide (CA INDEX NAME)



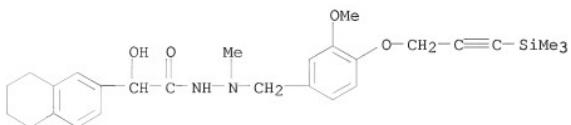
RN 1055770-05-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



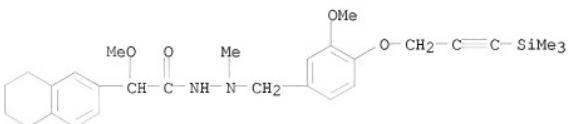
RN 1055770-06-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)

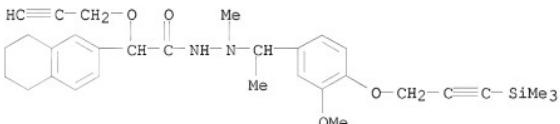


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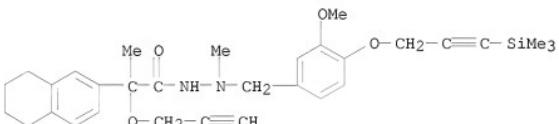
RN 1055770-07-4 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[1-[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl]methyl]-2-
methylhydrazide (CA INDEX NAME)



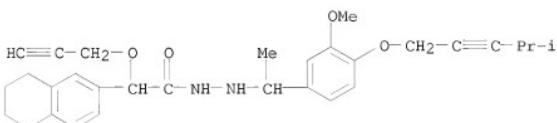
RN 1055770-08-5 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[1-[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl]ethyl]-2-
methylhydrazide (CA INDEX NAME)



RN 1055770-09-6 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-
propyn-1-yloxy)-, 2-[1-[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-
yloxy)phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



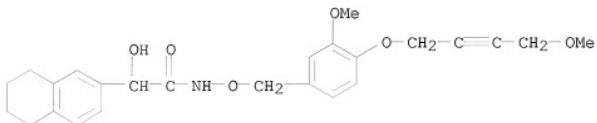
RN 1055770-97-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



10/513699

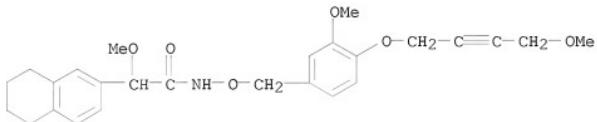
RN 1055771-22-6 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -hydroxy-N-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methoxy]- (CA INDEX NAME)



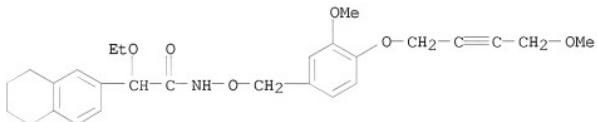
RN 1055771-23-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methoxy]- (CA INDEX NAME)



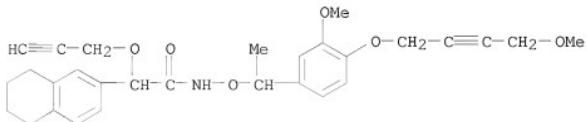
RN 1055771-24-8 CAPLUS

CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methoxy]- (CA INDEX NAME)



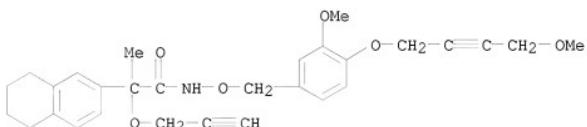
RN 1055771-25-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[(1-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]ethoxy)- α -(2-propyn-1-yloxy)- (CA INDEX NAME)

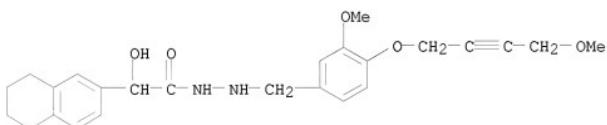


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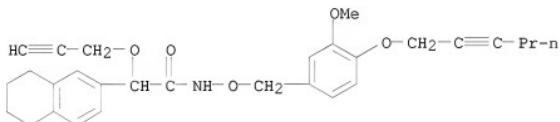
RN 1055771-26-0 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-*N*-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methoxy]-*α*-methyl-*α*-(2-propyn-1-yloxy)-
(CA INDEX NAME)



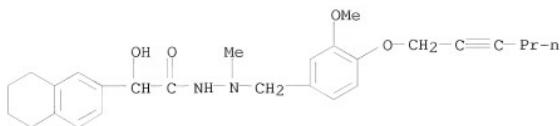
RN 1055771-27-1 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-*α*-hydroxy-,
2-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methyl]hydrazide (CA
INDEX NAME)



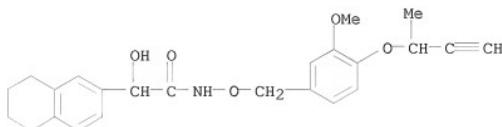
RN 1055771-91-9 CAPLUS
CN 2-Naphthaleneacetamide, *N*-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methoxy]-
5,6,7,8-tetrahydro-*α*-(2-propyn-1-yloxy)- (CA INDEX NAME)



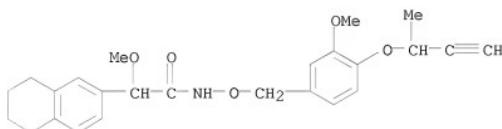
RN 1055772-00-3 CAPLUS
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro-*α*-hydroxy-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
INDEX NAME)



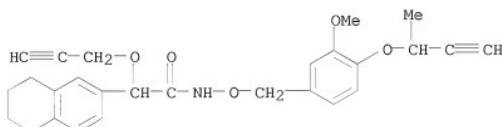
RN 1055772-94-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -hydroxy-N-[(3-methoxy-4-
 [(1-methyl-2-propyn-1-yl)oxyl]phenyl)methoxy]- (CA INDEX NAME)



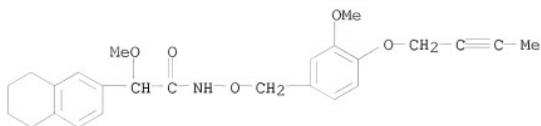
RN 1055772-95-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[(3-methoxy-4-
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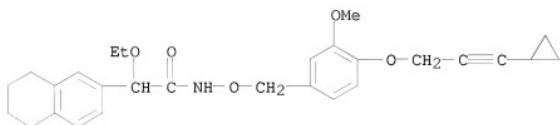
RN 1055772-96-7 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[(3-methoxy-4-[(1-methyl-2-
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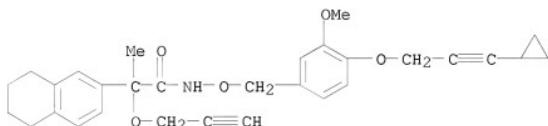
RN 1055773-09-5 CAPLUS
 CN 2-Naphthaleneacetamide, N-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]-
 5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



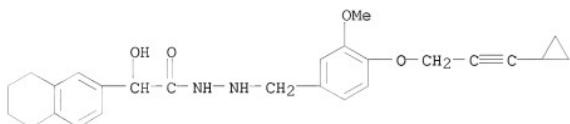
RN 1055774-87-2 CAPLUS
 CN 2-Naphthaleneacetamide, N-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055774-89-4 CAPLUS
 CN 2-Naphthaleneacetamide, N-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



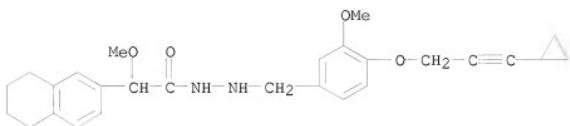
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 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055774-91-8 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]hydrazide

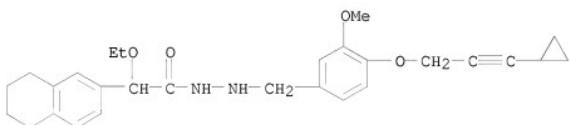
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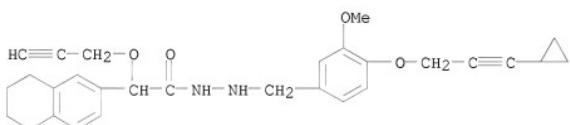
RN 1055774-92-9 CAPLUS

CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[14-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenylmethylhydrazide
(CA INDEX NAME)



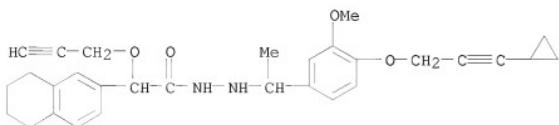
RN 1055774-93-0 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
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(CA INDEX NAME)



RN 1055774-94-1 CAPLUS

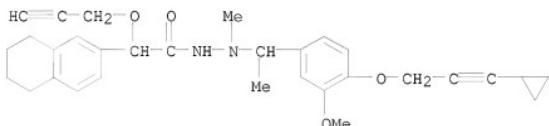
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[14-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenylethylhydrazide
(CA INDEX NAME)



10/513699

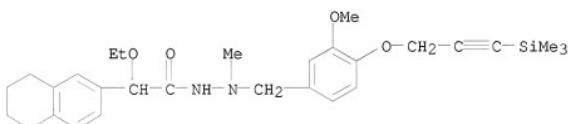
RN 1055774-95-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[1-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



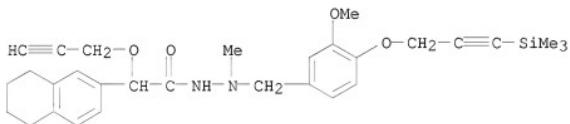
RN 1055775-30-8 CAPLUS

CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-, 2-[[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



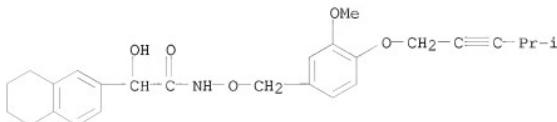
RN 1055775-31-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[[3-methoxy-4-[(3-(trimethylsilyl)-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



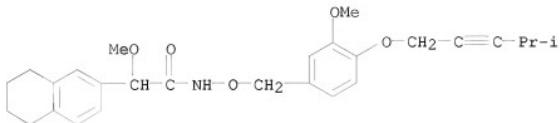
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CN INDEX NAME NOT YET ASSIGNED

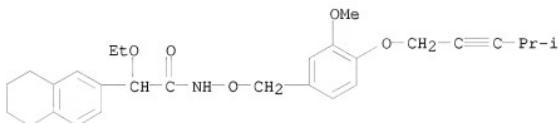


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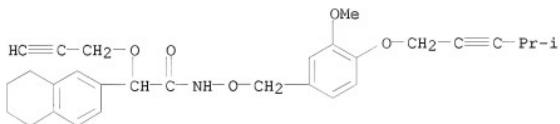
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CN INDEX NAME NOT YET ASSIGNED



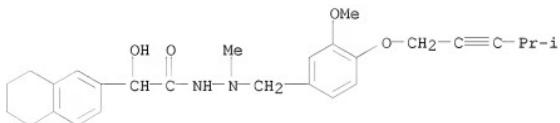
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RN 1055775-72-8 CAPLUS
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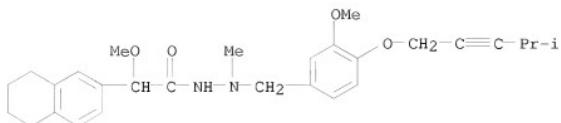


RN 1055775-73-9 CAPLUS
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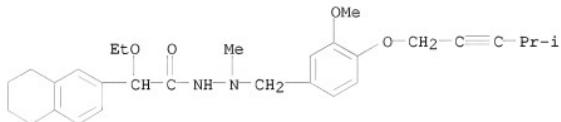


RN 1055775-74-0 CAPLUS
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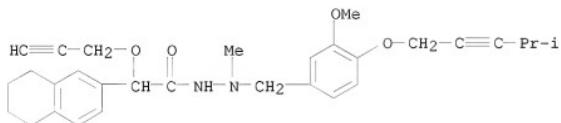
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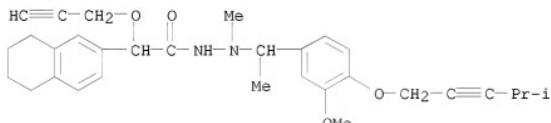
RN 1055775-75-1 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



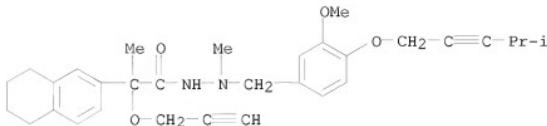
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CN INDEX NAME NOT YET ASSIGNED



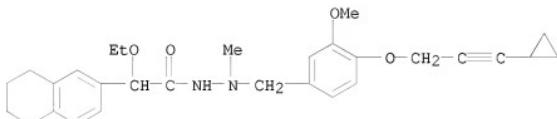
RN 1055775-77-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055775-78-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

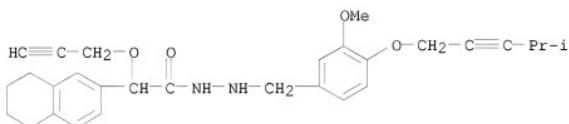


RN 1055775-89-7 CAPLUS

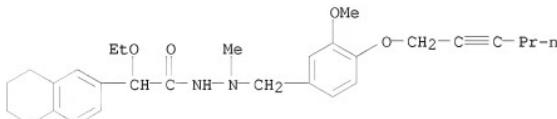
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-
methylhydrazide (CA INDEX NAME)

RN 1055776-33-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

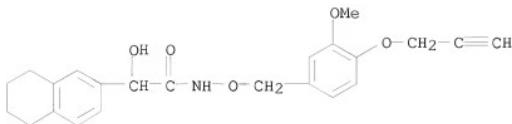


RN 1055776-74-3 CAPLUS

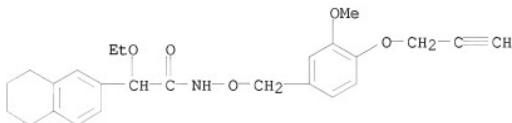
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[(4-[(hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
INDEX NAME)

RN 1055776-95-8 CAPLUS

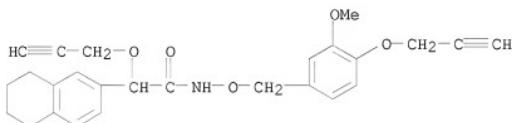
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -hydroxy-N-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methoxy]- (CA INDEX NAME)



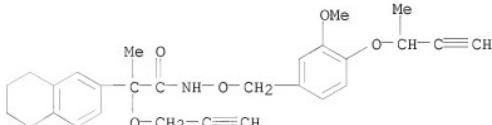
RN 1055776-96-9 CAPLUS
 CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[{3-methoxy-4-(2-propyn-1-yloxy)phenyl}methoxy]- (CA INDEX NAME)



RN 1055776-97-0 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[{3-methoxy-4-(2-propyn-1-yloxy)phenyl}methoxy]- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



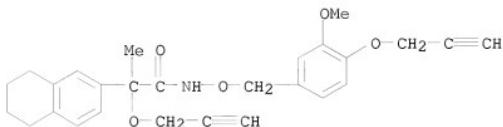
RN 1055777-87-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[{3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl}methoxy]- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055777-95-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[{3-methoxy-4-(2-propyn-1-yloxy)phenyl}methoxy]- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)

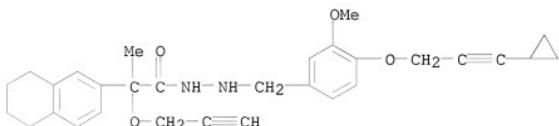
10/513699

INDEX NAME)



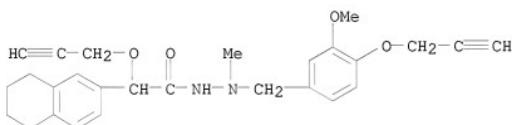
RN 1055778-06-7 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(14-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



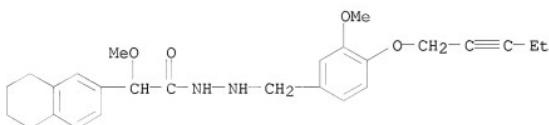
RN 1055778-37-4 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055778-58-9 CAPLUS

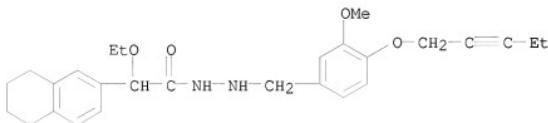
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055778-59-0 CAPLUS

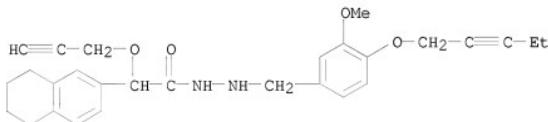
10/513699

CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[{3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



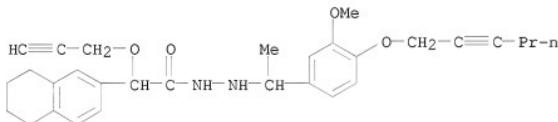
RN 1055778-60-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[{3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



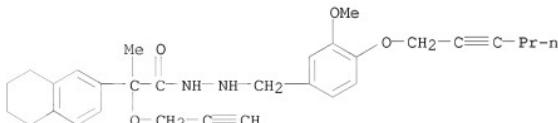
RN 1055778-70-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[1-[4-(2-hexyn-1-yloxy)-3-methoxyphenyl]ethyl]hydrazide (CA INDEX NAME)



RN 1055778-71-6 CAPLUS

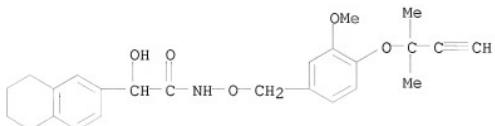
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[{4-(2-hexyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide
(CA INDEX NAME)



RN 1055779-76-4 CAPLUS

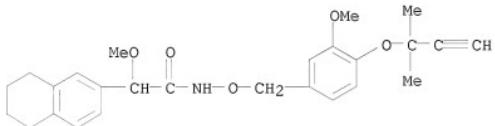
10/513699

CN 2-Naphthaleneacetamide, N-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -hydroxy- (CA INDEX NAME)



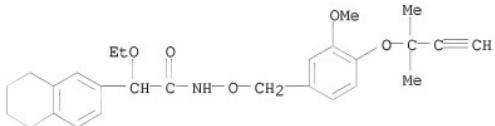
RN 1055779-77-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



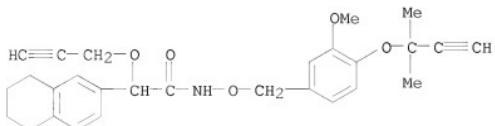
RN 1055779-78-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055779-79-7 CAPLUS

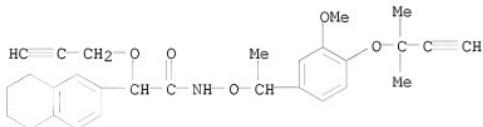
CN 2-Naphthaleneacetamide, N-[(4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



10/513699

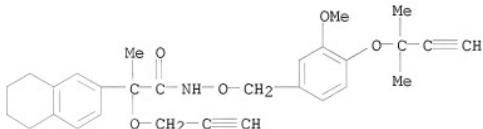
RN 1055779-80-0 CAPLUS

CN 2-Naphthaleneacetamide, N-[1-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethoxy]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



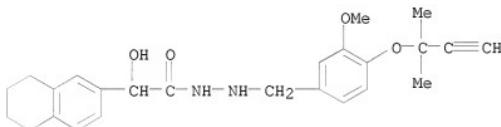
RN 1055779-81-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methoxy]-5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



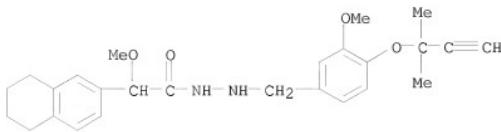
RN 1055779-82-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)

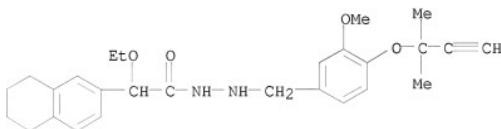


RN 1055779-83-3 CAPLUS

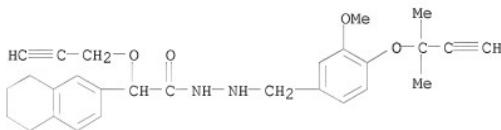
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



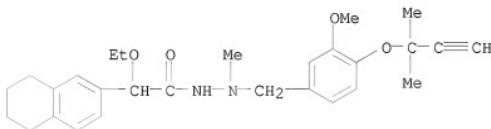
RN 1055779-84-4 CAPLUS
 CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
 2-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide
 (CA INDEX NAME)



RN 1055779-85-5 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]hydrazide
 (CA INDEX NAME)

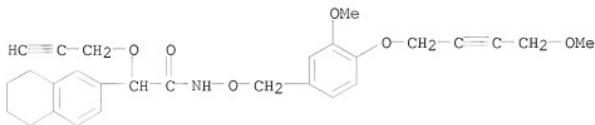


RN 1055779-86-6 CAPLUS
 CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
 2-[4-[(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-
 methylhydrazide (CA INDEX NAME)



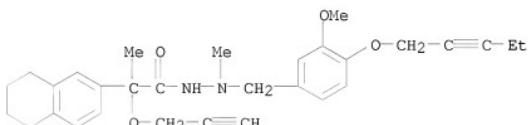
RN 1055780-35-2 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[3-methoxy-4-[(4-methoxy-2-

butyn-1-yl)oxy]phenyl]methoxy]- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



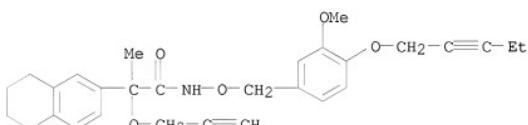
RN 1055780-93-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[3-methoxy-4-(2-pentyne-1-yloxy)phenyl]methyl-2-methylhydrazide (CA INDEX NAME)



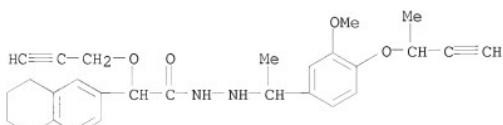
RN 1055781-13-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[(3-methoxy-4-(2-pentyne-1-yloxy)phenyl)methoxy]- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055782-11-0 CAPLUS

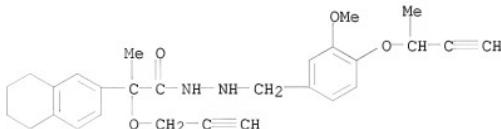
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[1-(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)ethyl]hydrazide (CA INDEX NAME)



10/513699

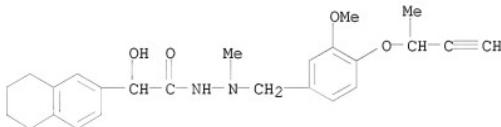
RN 1055782-12-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



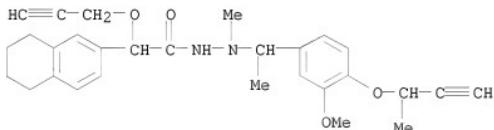
RN 1055782-13-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



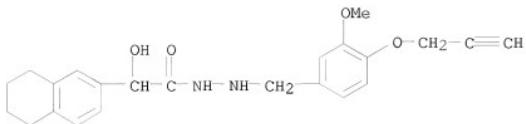
RN 1055782-14-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)ethyl]-2-methylhydrazide (CA INDEX NAME)

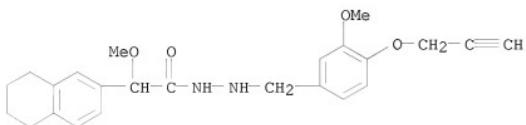


RN 1055782-36-9 CAPLUS

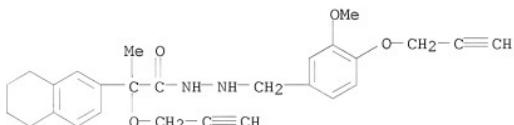
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



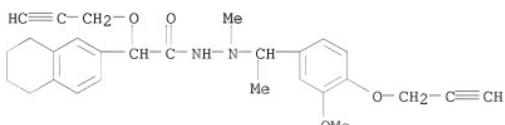
RN 1055782-37-0 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055782-38-1 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-
 propyn-1-yloxy)-, 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



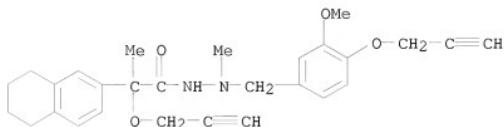
RN 1055782-39-2 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[(1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)-2-methylhydrazide (CA
 INDEX NAME)



RN 1055782-40-5 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-
 propyn-1-yloxy)-, 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]-2-

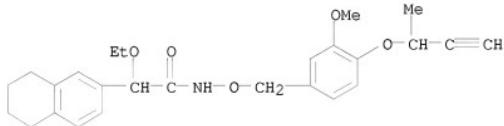
10/513699

methylhydrazide (CA INDEX NAME)



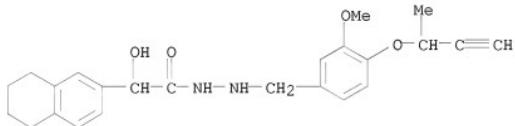
RN 1055782-91-6 CAPLUS

CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[{3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methoxy]- (CA INDEX NAME)



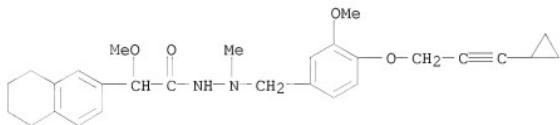
RN 1055782-92-7 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055783-85-1 CAPLUS

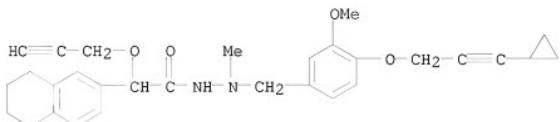
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055783-86-2 CAPLUS

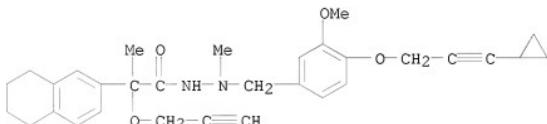
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CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl)methyl]-2-
methylhydrazide (CA INDEX NAME)



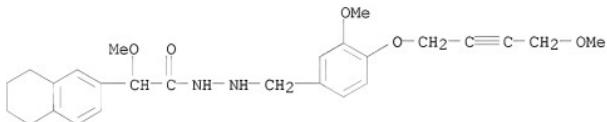
RN 1055783-87-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-
propyn-1-yloxy)-, 2-[(4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-
methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



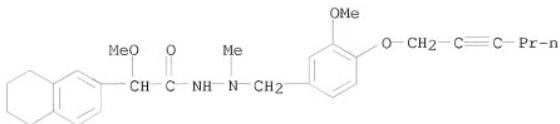
RN 1055784-30-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[(3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl)methyl]hydrazide (CA
INDEX NAME)

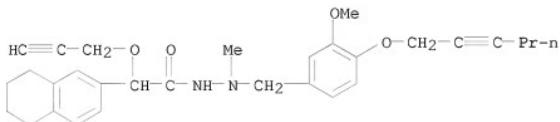


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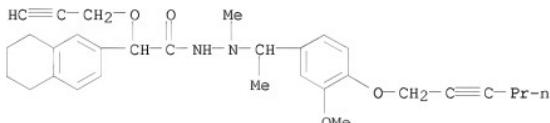
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
INDEX NAME)



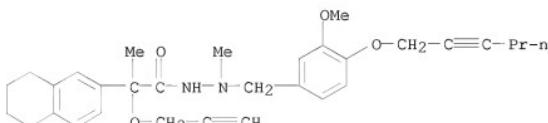
RN 1055784-58-1 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
INDEX NAME)

RN 1055784-59-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)ethyl]-2-methylhydrazide (CA
INDEX NAME)

RN 1055784-60-5 CAPLUS

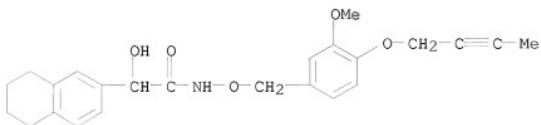
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[(4-(2-hexyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)

RN 1055784-88-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]-

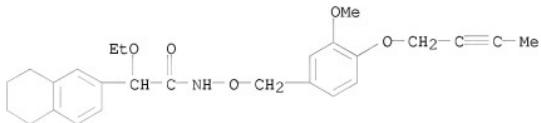
10/513699

5,6,7,8-tetrahydro- α -hydroxy- (CA INDEX NAME)



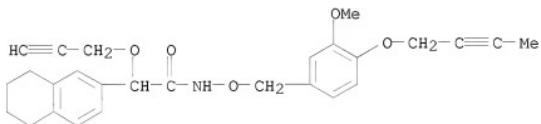
RN 1055784-90-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



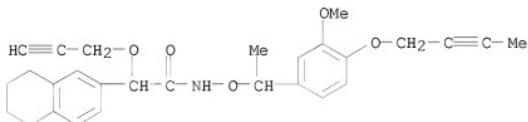
RN 1055784-91-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055784-92-3 CAPLUS

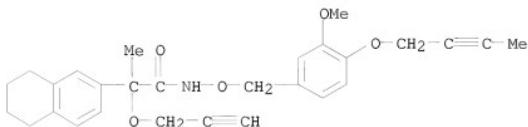
CN 2-Naphthaleneacetamide, N-[(1-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethoxy)-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



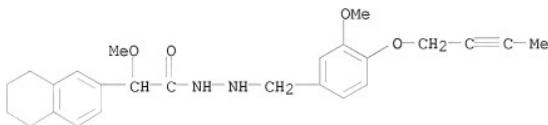
RN 1055784-93-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methoxy]-5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX

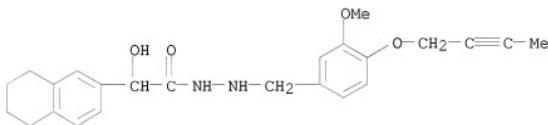
NAME)



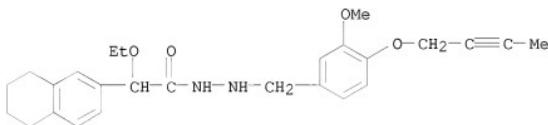
RN 1055784-94-5 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)

RN 1055784-95-6 CAPLUS

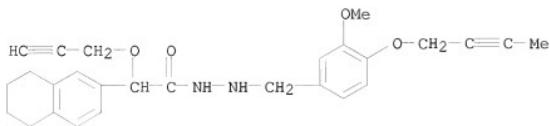
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-,
2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)

RN 1055784-96-7 CAPLUS

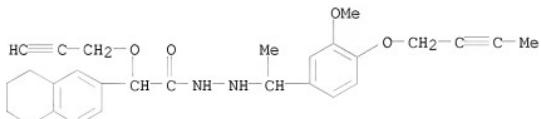
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)

RN 1055784-97-8 CAPLUS

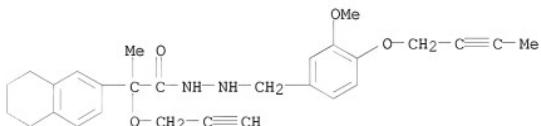
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]hydrazide (CA INDEX NAME)



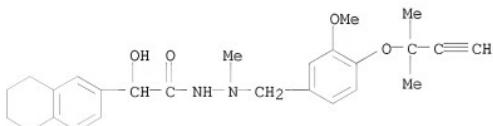
RN 1055784-98-9 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[1-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]hydrazide (CA INDEX NAME)



RN 1055784-99-0 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[1-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]methyl]hydrazide (CA INDEX NAME)



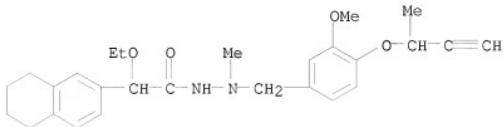
RN 1055785-73-3 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-,
 2-[1-[4-(1,1-dimethyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055786-75-8 CAPLUS
 CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,

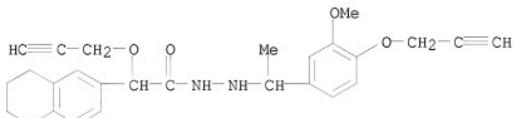
10/513699

2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



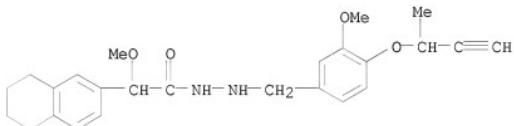
RN 1055787-00-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[1-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]hydrazide (CA INDEX NAME)



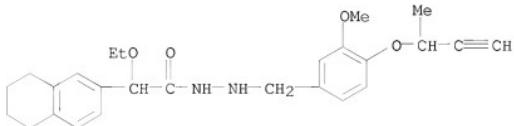
BN 1055787-60-4 CAPIUS

RN 103-77-6
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)



BN 1055787-61-5 CAPIUS

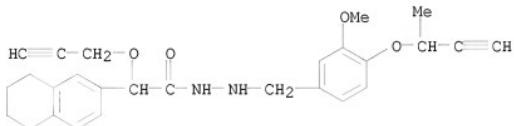
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl]methyl]hydrazide (CA
INDEX NAME)



10/513699

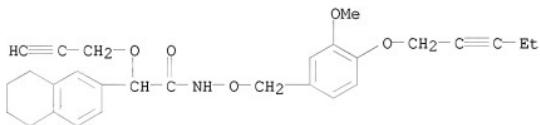
RN 1055787-62-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[[3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxyl]phenyl]methyl]hydrazide (CA
INDEX NAME)



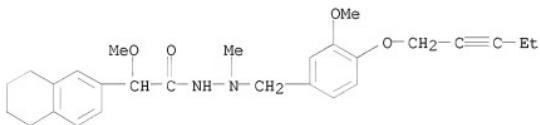
RN 1055788-22-1 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methoxy]- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



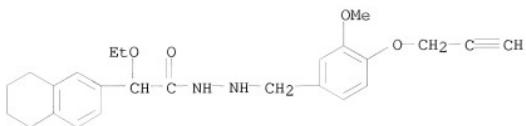
RN 1055788-23-2 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,
2-[[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]methyl]-2-methylhydrazide (CA
INDEX NAME)

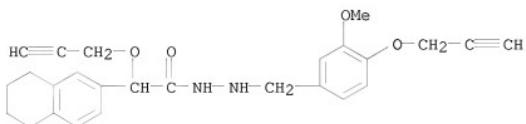


RN 1055788-39-0 CAPLUS

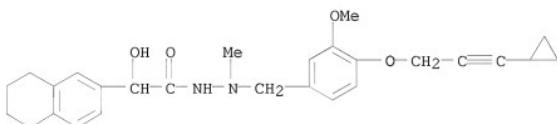
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[[3-methoxy-4-(2-propyn-1-yloxy)phenyl]methyl]hydrazide (CA INDEX NAME)



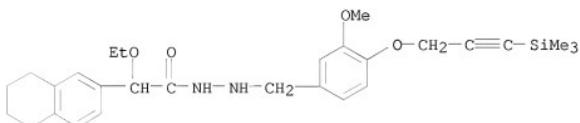
RN 1055788-40-3 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)methyl]hydrazide (CA INDEX NAME)



RN 1055789-27-9 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-,
 2-[(4-((3-cyclopropyl-2-propyn-1-yl)oxy)-3-methoxyphenyl)methyl]-2-
 methylhydrazide (CA INDEX NAME)

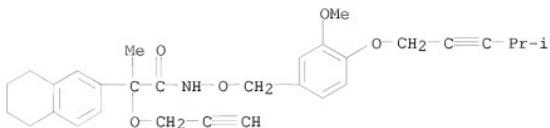


RN 1055789-52-0 CAPLUS
 CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
 2-[(3-methoxy-4-[(3-(trimethylsilyl)propyl)oxy]phenyl)methyl]hydrazide (CA INDEX NAME)

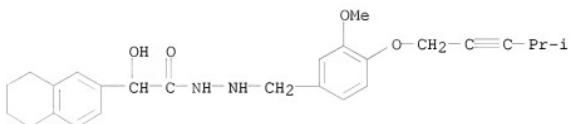


RN 1055789-80-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

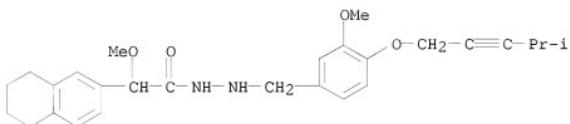
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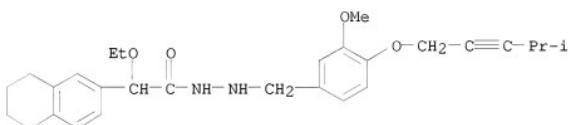
RN 1055789-81-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



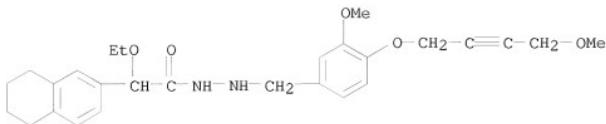
RN 1055789-82-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



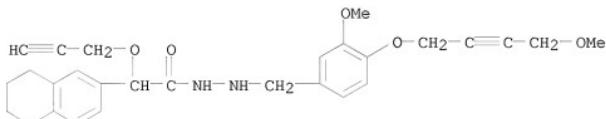
RN 1055789-83-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



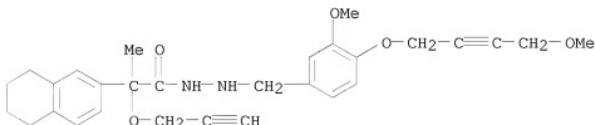
RN 1055790-39-0 CAPLUS
CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[{3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl}methyl]hydrazide (CA
INDEX NAME)



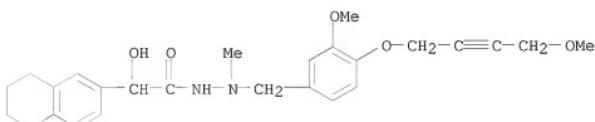
RN 1055790-40-3 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methylhydrazide (CA
 INDEX NAME)



RN 1055790-41-4 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-,
 2-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methylhydrazide (CA INDEX NAME)

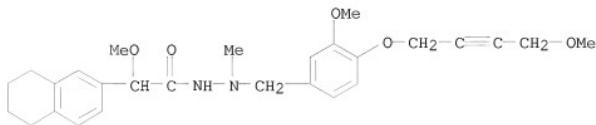


RN 1055790-42-5 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-,
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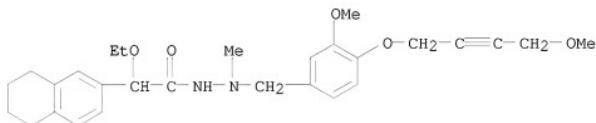
RN 1055790-43-6 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-,

2-[{[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



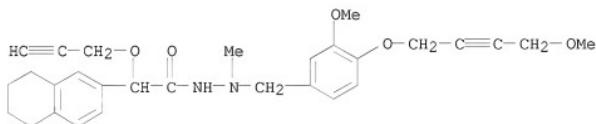
RN 1055790-44-7 CAPLUS

CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
2-[{[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



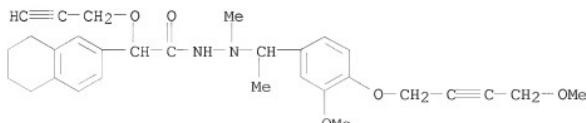
RN 1055790-45-8 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
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RN 1055790-46-9 CAPLUS

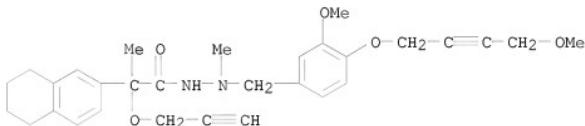
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
2-[{[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]ethyl]-2-methylhydrazide (CA INDEX NAME)



10/513699

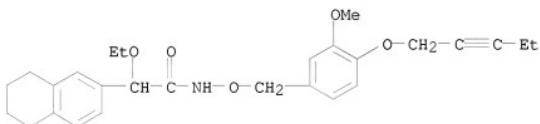
RN 1055790-47-0 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-propyn-1-yloxy)-, 2-[3-methoxy-4-[(4-methoxy-2-butyn-1-yl)oxy]phenyl]methyl]-2-methylhydrazide (CA INDEX NAME)



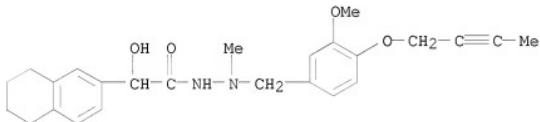
RN 1055792-17-0 CAPLUS

CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)methoxy]- (CA INDEX NAME)



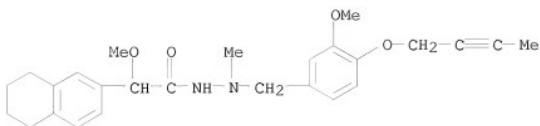
RN 1055792-28-3 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -hydroxy-, 2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)

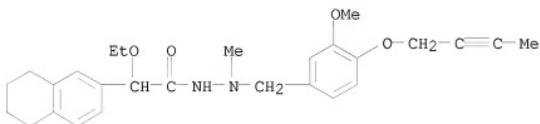


RN 1055792-29-4 CAPLUS

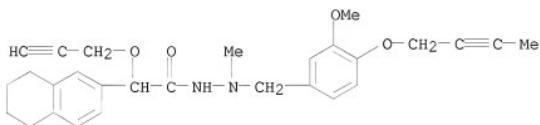
CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



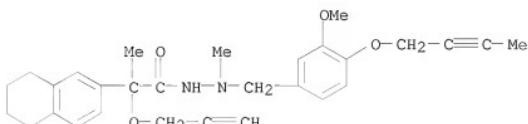
RN 1055792-30-7 CAPLUS
 CN 2-Naphthaleneacetic acid, α -ethoxy-5,6,7,8-tetrahydro-,
 2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
 INDEX NAME)



RN 1055792-31-8 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-,
 2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]-2-methylhydrazide (CA
 INDEX NAME)



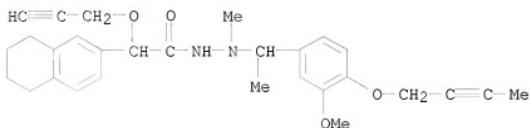
RN 1055792-32-9 CAPLUS
 CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methyl- α -(2-
 propyn-1-yloxy)-, 2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl)methyl]-2-
 methylhydrazide (CA INDEX NAME)



RN 1055792-33-0 CAPLUS
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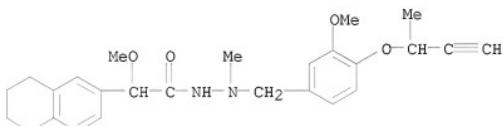
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2-[1-{4-(2-butyn-1-yloxy)-3-methoxyphenyl}ethyl]-2-methylhydrazide (CA INDEX NAME)



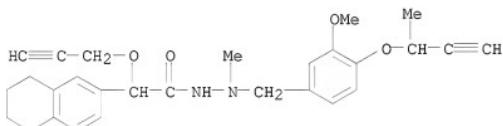
RN 1055792-63-6 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -methoxy-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



RN 1055792-66-9 CAPLUS

CN 2-Naphthaleneacetic acid, 5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-, 2-[(3-methoxy-4-[(1-methyl-2-propyn-1-yl)oxy]phenyl)methyl]-2-methylhydrazide (CA INDEX NAME)



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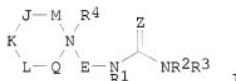
5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1014711 CAPLUS
 DOCUMENT NUMBER: 139:403260
 TITLE: Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.
 INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Pharma Company, USA
 SOURCE: U.S., 145 pp., Cont.-in-part of U.S. Ser. No. 465,286, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6605623 B1	20030812US	2000-XI598821	20000621	
PRIORITY APPLN. INFO.:		US 1998-112717P		19981218
		US 1999-161243P		19991022
		US 1999-465286		19991217

GI



AB [Title compds. I; M = CH₂, CHR₅, CHR₁₃, CR₁₃R₁₃, CR₅R₁₃; Q = CH₂, CHR₅, CHR₁₃, CR₁₃R₁₃, CR₅R₁₃; J, L = CH₂, CHR₅, CHR₆, CR₆R₆, CR₅R₆; Z = O, S; M = CH₂, CHR₅, CHR₁₃, CR₁₃R₁₃, CR₅R₁₃; K = CHR₅, CR₅R₆; E = (CHR₇) (CHR₉)v(CR₁₁R₁₂); R₁, R₂ = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R₂R₃ = atoms to form a (substituted) 5-7 membered ring; R₃, R₅ = (substituted) (alkyl)cycloalkyl, (alkyl)heterocycl; R₄ = null, O, alkyl, alkenyl, alkynyl, etc.; R₆ with R₇, R₉, or R₁₁ = atoms to form a 5-7 membered ring; R₆ = alkyl, alkenyl, alkynyl, etc.; R₇, R₉ = H; R₄R₇, R₄R₉ = (substituted) spirocycl; R₁₃ = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R₁₁R₁₂ = pyrrolidinyl, tetrahydrofuryl, piperidinyl, tetrahydropyran; v = 1, 2], were prepared as modulators of chemokine activity (no data) for preventing asthma and other allergic diseases. Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-(3-[4-(phenylmethyl)-1-piperidinyl]propyl)urea. A pharmaceutical composition comprising the compound I was claimed. [This abstract

record is one of 15 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1084141-39-8

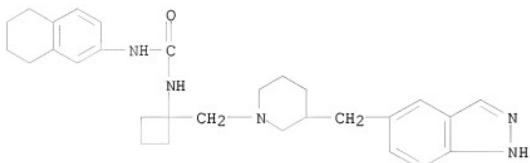
RL: PRPH (Prophetic)

(Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.)

RN 1084141-39-8 CAPLUS

10/513699

CN Urea, N-[1-[(3-(1H-indazol-5-ylmethyl)-1-piperidinyl)methyl]cyclobutyl]-N'-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



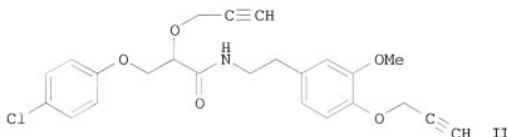
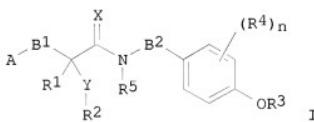
REFERENCE COUNT:

18

THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1014568 CAPLUS
 DOCUMENT NUMBER: 138:411232
 TITLE: Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1	-----	20030522WO	2002-XE12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW	-----	-----	-----	-----
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR	-----	-----	-----	-----
PRIORITY APPLN. INFO.: GI		GB 2001-27556		20011116



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO₂, NH₂, CHO, CO₂H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(dialkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR1OR11)q or (CHR1OR11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO₂, NR₆, CO, OCO, CO₂, NR₆CO, or CONR₆; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-nyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)-α-(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT	1067826-29-2	1067826-30-5	1067826-31-6
	1067826-32-7	1067826-33-8	1067826-34-9
	1067826-35-0	1067826-36-1	1067826-37-2
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	1067835-81-7	1067835-82-8	1067835-84-0
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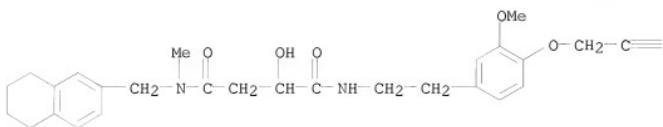
RL: PRPH (Prophetic)

(Preparation of α-oxygenated or α-thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

RN 1067826-29-2 CAPLUS

CN Butanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

PAGE 1-A



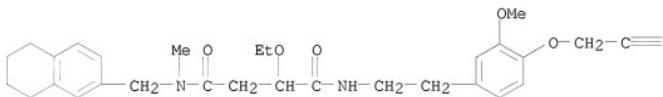
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RN 1067826-30-5 CAPLUS

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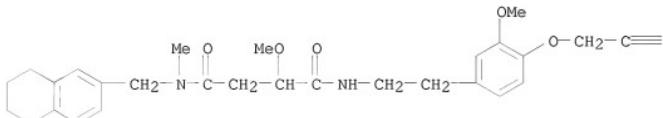
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RN 1067826-31-6 CAPLUS

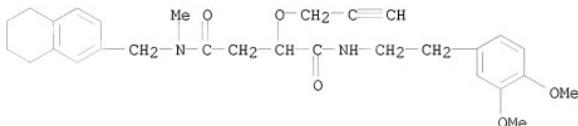
CN Butanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

PAGE 1-A

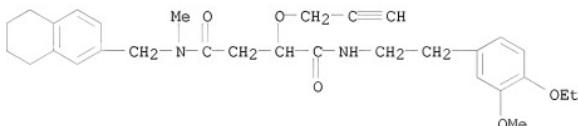


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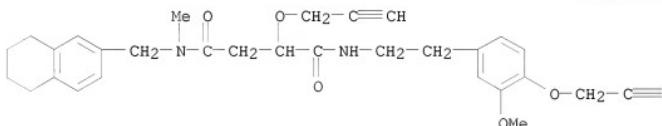
RN 1067826-32-7 CAPLUS
 CN Butanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-N4-methyl-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 1067826-33-8 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1067826-34-9 CAPLUS
 CN Butanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



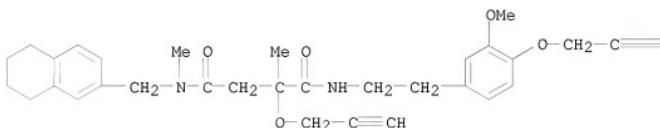
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RN 1067826-35-0 CAPLUS

CN Butanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4,2-dimethyl-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

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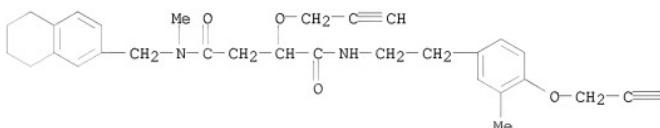
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RN 1067826-36-1 CAPLUS

CN Butanediamide, N4-methyl-N1-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

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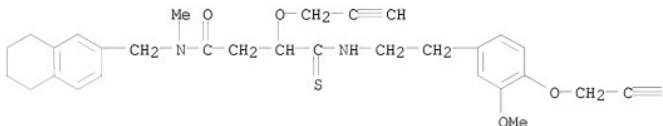


PAGE 1-B

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RN 1067826-37-2 CAPLUS
 CN Butanamide, 4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-N-methyl-3-(2-propyn-1-yloxy)-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]-4-thioxo- (CA INDEX NAME)

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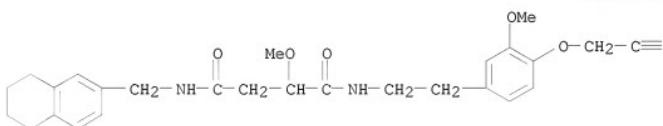


PAGE 1-B

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RN 1067835-77-1 CAPLUS
 CN Butanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

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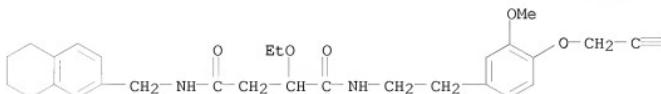


PAGE 1-B

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RN 1067835-79-3 CAPLUS
 CN Butanediamide, 2-ethoxy-N1-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-
 N4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

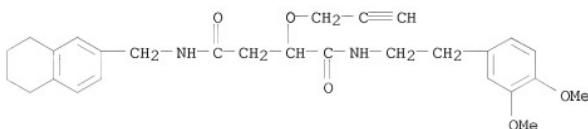
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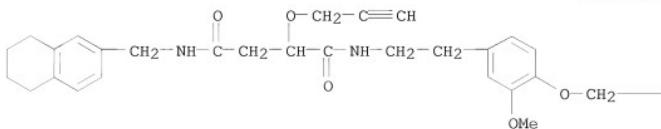
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 [(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 1067835-81-7 CAPLUS
 CN Butanediamide, N1-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-
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 NAME)

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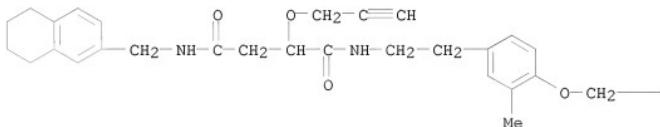


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RN 1067835-82-8 CAPLUS
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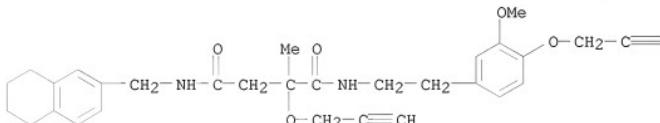


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RN 1067835-84-0 CAPLUS
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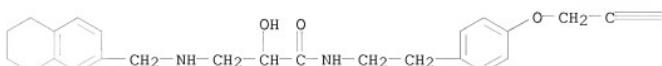


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RN 1067845-41-3 CAPLUS
 CN Propanamide, 2-hydroxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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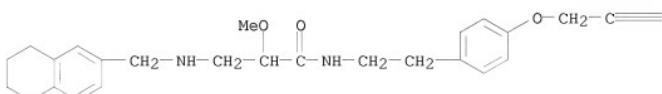


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RN 1067845-42-4 CAPLUS
 CN Propanamide, 2-methoxy-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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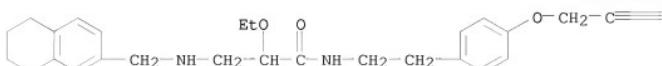


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RN 1067845-43-5 CAPLUS
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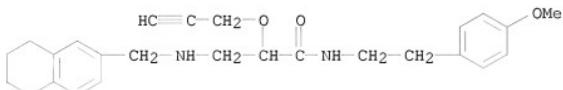
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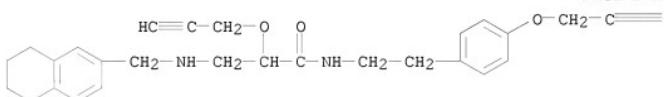
RN 1067845-44-6 CAPLUS

CN Propanamide, N-[2-(4-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



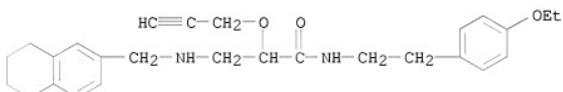
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CN Propanamide, 2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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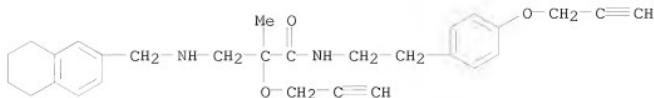
RN 1067845-46-8 CAPLUS

CN Propanamide, N-[2-(4-ethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



RN 1067845-47-9 CAPLUS

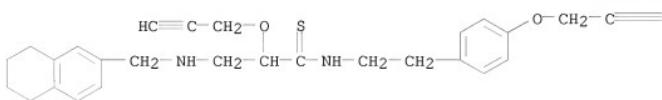
CN Propanamide, 2-methyl-2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



RN 1067845-48-0 CAPLUS

CN Propanethioamide, 2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

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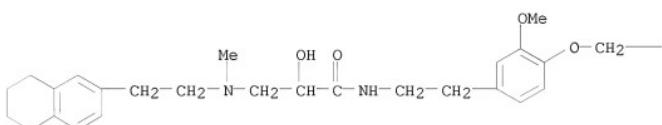
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RN 1067848-42-3 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-3-[(methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino)- (CA INDEX NAME)

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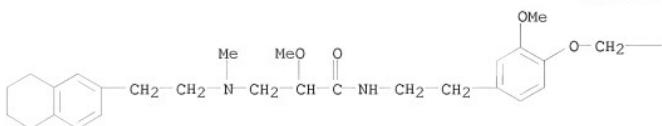
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RN 1067848-43-4 CAPLUS

CN Propanamide, 2-methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-3-[(methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino)- (CA INDEX NAME)

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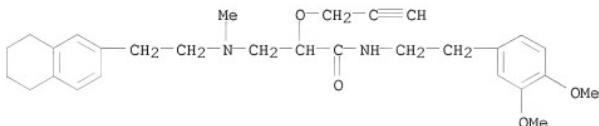


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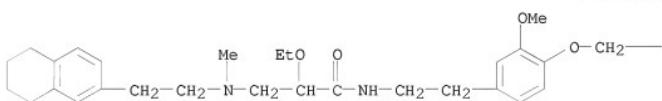
CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1067848-45-6 CAPLUS

CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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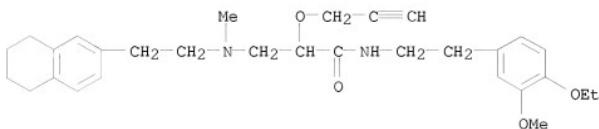
PAGE 1-B

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RN 1067848-46-7 CAPLUS

CN Propanamide, N-[2-(4-ethoxy-3-methoxyphenyl)ethyl]-3-[methyl[2-(5,6,7,8-

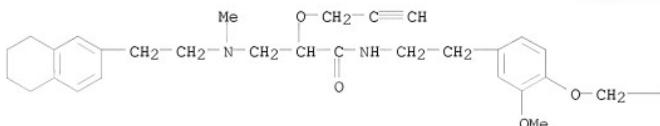
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RN 1067848-47-8 CAPLUS

CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

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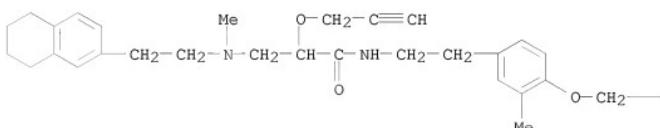
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RN 1067848-48-9 CAPLUS

CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

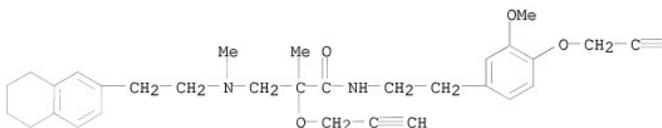
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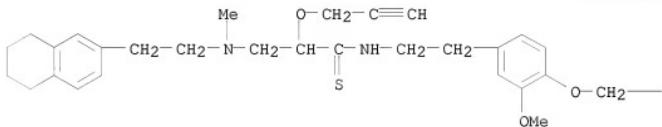
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CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



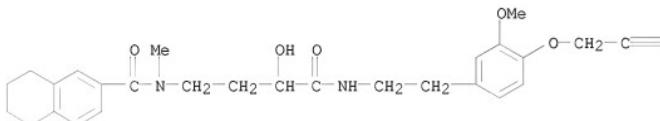
PAGE 1-B

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RN 1067859-76-0 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-hydroxy-4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]-N-methyl- (CA INDEX NAME)

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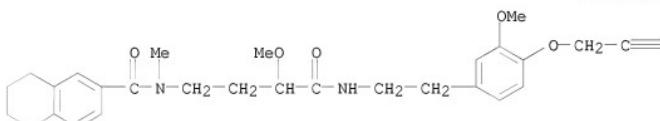
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RN 1067859-77-1 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-methoxy-4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxobutyl]-N-methyl- (CA INDEX NAME)

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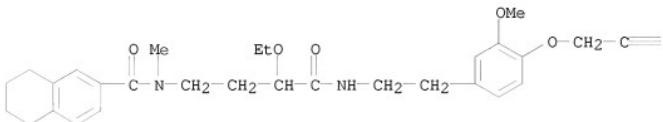
PAGE 1-B

 $\equiv \text{CH}$

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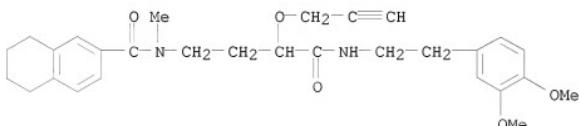
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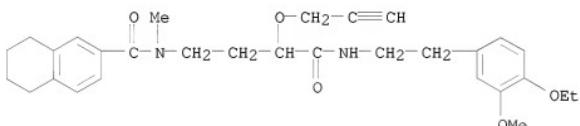
PAGE 1-B

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RN 1067859-79-3 CAPLUS
 CN 2-Naphthalenecarboxamide, N-[4-[(2-(3,4-dimethoxyphenyl)ethyl)amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)

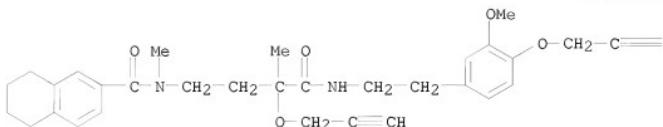


RN 1067859-80-6 CAPLUS
 CN 2-Naphthalenecarboxamide, N-[4-[(2-(4-ethoxy-3-methoxyphenyl)ethyl)amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



RN 1067859-81-7 CAPLUS
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-methyl-4-oxo-3-(2-propyn-1-yloxy)butyl]-N-methyl- (CA INDEX NAME)

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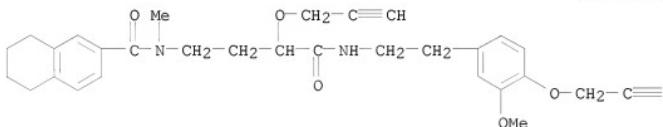
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RN 1067859-82-8 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-N-methyl- (CA INDEX NAME)

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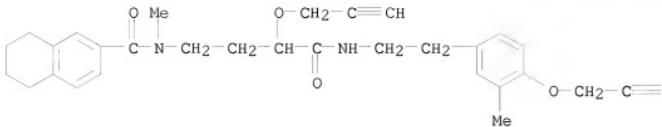
PAGE 1-B

≡ CH

RN 1067859-83-9 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-methyl-N-[4-[(2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]- (CA INDEX NAME)

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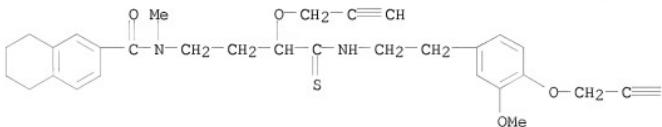
PAGE 1-B

≡ CH

RN 1067859-84-0 CAPLUS

CN 2-Naphthalene carboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-(2-propyn-1-yloxy)-4-thioxobutyl]-N-methyl- (CA INDEX NAME)

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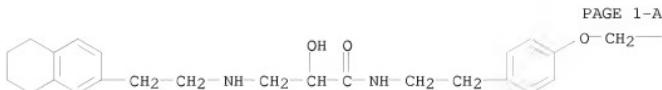


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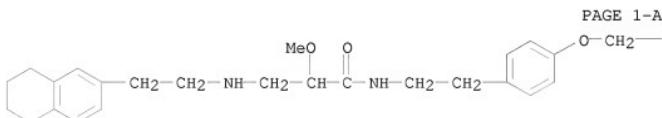
CN Propanamide, 2-hydroxy-N-[2-[(4-(2-propyn-1-yloxy)phenyl)ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]- (CA INDEX NAME)



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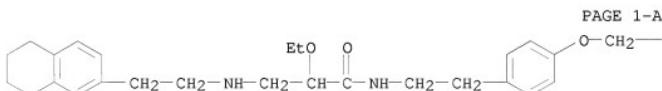
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CN Propanamide, 2-methoxy-N-[2-(4-(2-propyn-1-yloxy)phenyl)ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)



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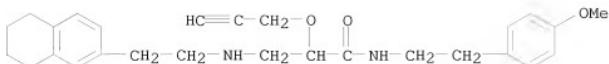
RN 1067873-54-4 CAPLUS
CN Propanamide, 2-ethoxy-N-[2-(4-(2-propyn-1-yloxy)phenyl)ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)



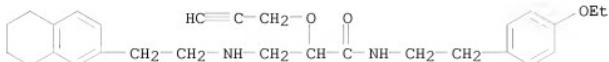
PAGE 1-B

—C≡CH

RN 1067873-55-5 CAPLUS
CN Propanamide, N-[2-(4-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

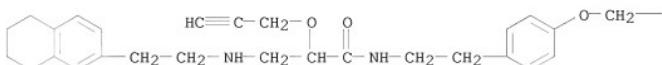


RN 1067873-56-6 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1067873-57-7 CAPLUS
 CN Propanamide, 2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]- (CA INDEX NAME)

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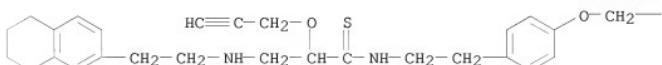


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 $\text{---C}\equiv\text{CH}$

RN 1067873-58-8 CAPLUS
 CN Propanethioamide, 2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]- (CA INDEX NAME)

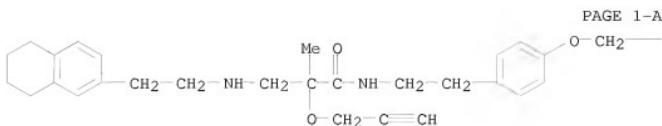
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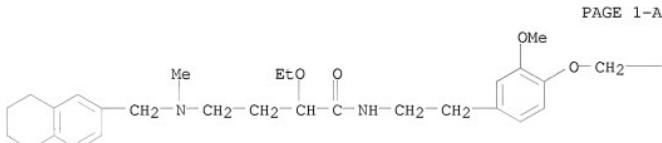
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 CN Propanamide, 2-methyl-2-(2-propyn-1-yloxy)-N-[2-[4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]- (CA INDEX NAME)



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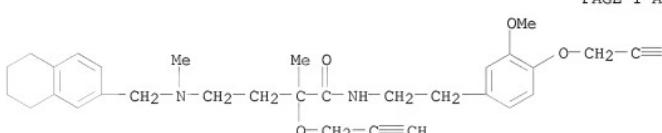
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 CN Butanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl]-4-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



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— C≡CH

RN 1068186-44-6 CAPLUS
 CN Butanamide, N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl]-2-methyl-4-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propynyl)- (CA INDEX NAME)

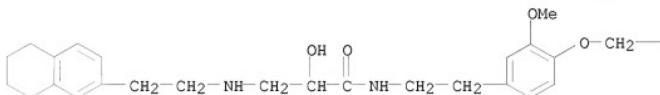


PAGE 1-B

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RN 1068190-31-7 CAPLUS
 CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-
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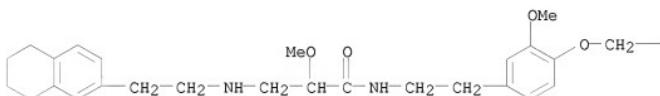


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 $\equiv \text{C}\equiv \text{CH}$

RN 1068190-32-8 CAPLUS
 CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-
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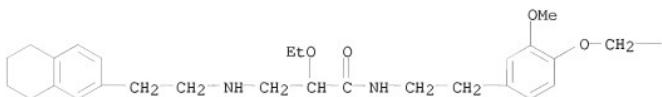


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 $\equiv \text{C}\equiv \text{CH}$

RN 1068190-33-9 CAPLUS
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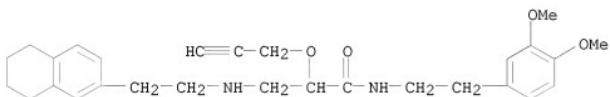


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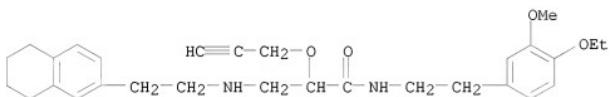
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CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)



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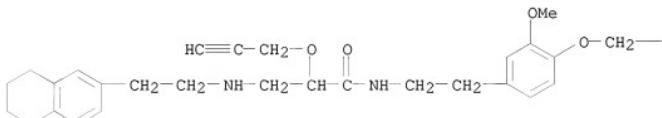
CN INDEX NAME NOT YET ASSIGNED



RN 1068190-36-2 CAPLUS

CN Propanamide, N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino]- (CA INDEX NAME)

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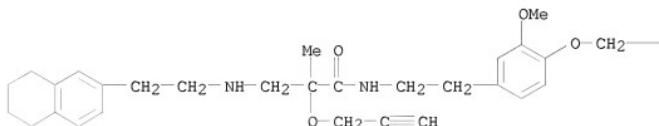


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 $\text{---C}\equiv\text{CH}$

RN 1068190-37-3 CAPLUS
 CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-3-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino-
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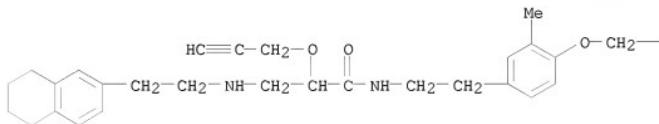


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 $\text{---C}\equiv\text{CH}$

RN 1068190-38-4 CAPLUS
 CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino-
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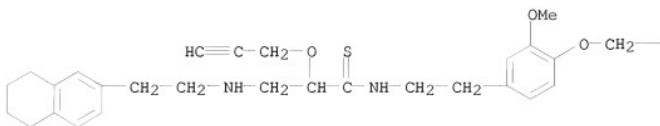


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 $\text{---C}\equiv\text{CH}$

RN 1068190-39-5 CAPLUS
 CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]amino-
 (CA INDEX NAME)

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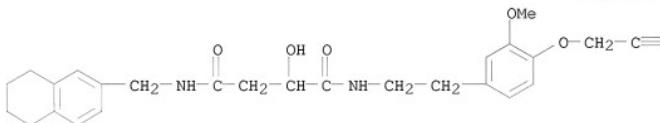


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—C≡CH

RN 1068192-10-8 CAPLUS
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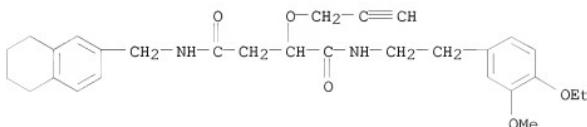
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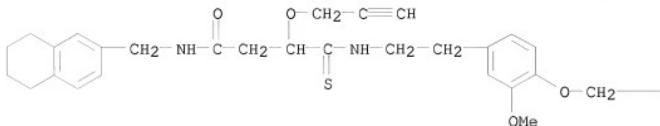
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 CN INDEX NAME NOT YET ASSIGNED



RN 1068192-13-1 CAPLUS
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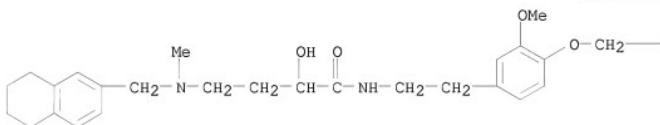


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 $\text{---C}\equiv\text{CH}$

RN 1068197-81-8 CAPLUS
 CN Butanamide, 2-hydroxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

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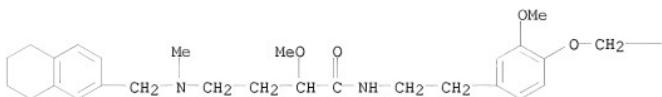


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 $\text{---C}\equiv\text{CH}$

RN 1068197-82-9 CAPLUS
 CN Butanamide, 2-methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

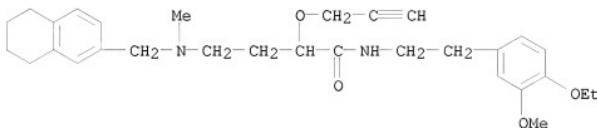
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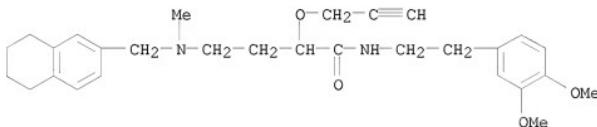
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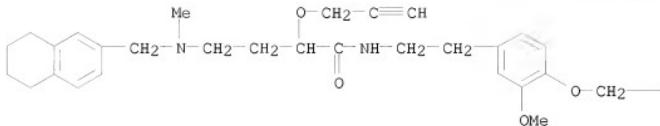


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RN 1068197-85-2 CAPLUS
 CN Butanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)

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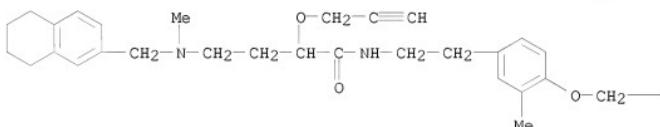
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— C≡CH

RN 1068197-86-3 CAPLUS

CN Butanamide, N-[2-{3-methyl-4-(2-propynyl)phenyl}ethyl]-4-{methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino}-2-(2-propynyl)- (CA INDEX NAME)

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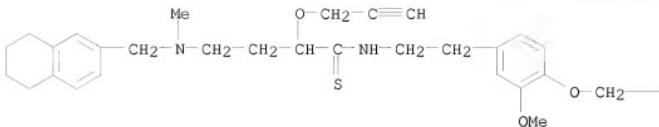
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— C≡CH

RN 1068197-87-4 CAPLUS

CN Butanethioamide, N-[2-{3-methoxy-4-(2-propynyl)phenyl}ethyl]-4-{methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino}-2-(2-propynyl)- (CA INDEX NAME)

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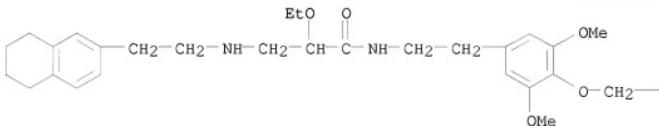


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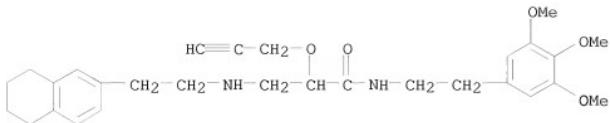


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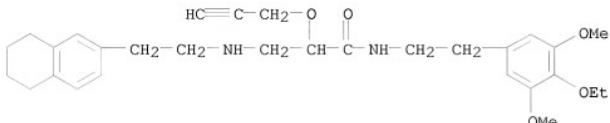
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 CN Propanamide, 2-(2-propyn-1-yloxy)-3-[(2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl)amino]-N-[2-(3,4,5-trimethoxyphenyl)ethyl]- (CA INDEX NAME)

10/513699

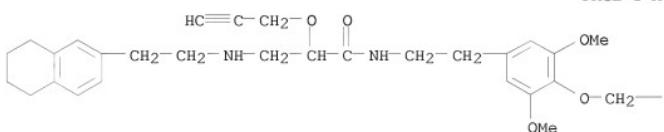


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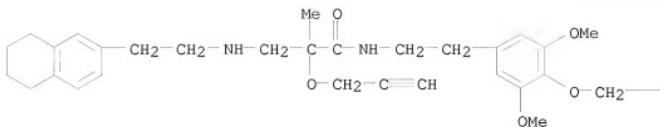


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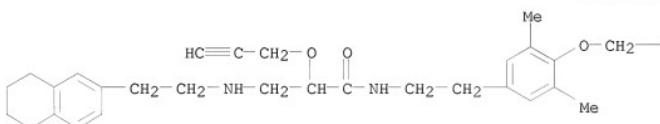


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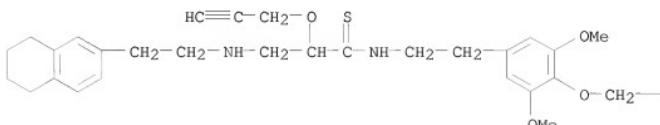


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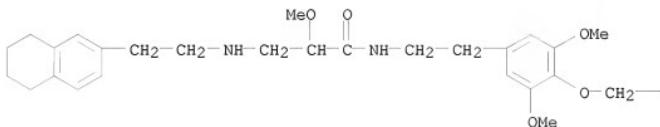
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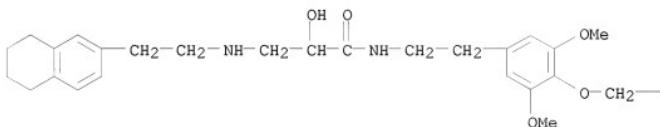


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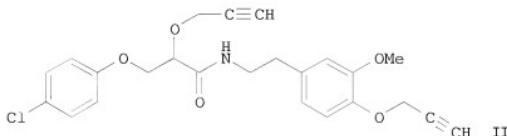
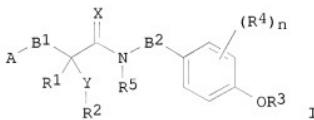
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10/513699

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1014567 CAPLUS
 DOCUMENT NUMBER: 138:41231
 TITLE: Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1	-----	20030522WO	2002-XD12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW	-----	-----	-----	-----
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR	-----	-----	-----	-----
PRIORITY APPLN. INFO.: GI		GB 2001-27556		20011116



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO₂, NH₂, CHO, CO₂H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(dialkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR1OR11)q or (CHR1OR11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO₂, NR₆, CO, OCO, CO₂, NR₆CO, or CONR₆; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-nyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)- α -(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT	1067790-83-3	1067790-85-5	1067808-26-7
	1067808-27-8	1067808-28-9	1067808-29-0
	1067808-30-3	1067808-31-4	1067808-33-6
	1067816-87-8	1067816-88-9	1067816-89-0
	1067816-90-3	1067816-91-4	1067816-92-5
	1067816-93-6	1067820-72-7	1067820-75-0
	1071996-32-1	1071996-34-3	1071996-36-5
	1071996-38-7	1071996-41-2	1071996-46-7
	1071996-51-4	1071996-53-6	1071996-55-8
	1072090-17-5	1072090-22-2	1072090-29-9
	1072090-30-2	1072090-31-3	1072090-32-4
	1072090-33-5	1072090-34-6	1072090-35-7
	1072123-69-3	1072123-71-7	1072123-72-8
	1072123-73-9	1072123-74-0	1072123-76-2
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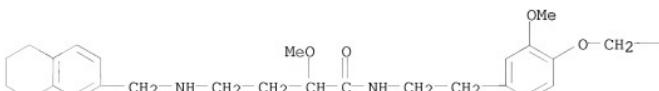
RL: PRPH (Prophetic)

(Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

RN 1067790-83-3 CAPLUS

CN Butanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

PAGE 1-A

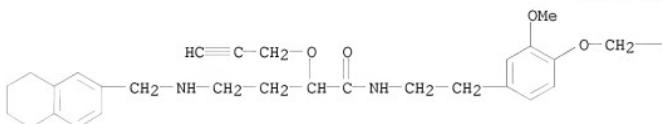


PAGE 1-B

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RN 1067790-85-5 CAPLUS
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PAGE 1-A

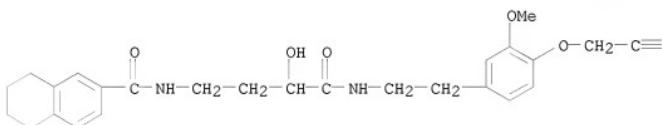


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RN 1067808-26-7 CAPLUS
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-hydroxy-4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-4-oxobutyl]- (CA INDEX NAME)

PAGE 1-A

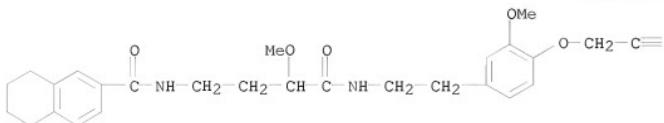


PAGE 1-B

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RN 1067808-27-8 CAPLUS
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-methoxy-4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-4-oxobutyl]- (CA INDEX NAME)

PAGE 1-A

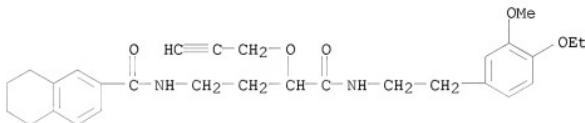


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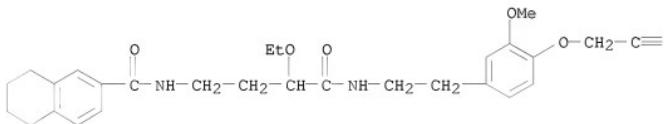
CN 2-Naphthalenecarboxamide, N-[4-[(2-(4-ethoxy-3-methoxyphenyl)ethyl)amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1067808-29-0 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-ethoxy-4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-4-oxobutyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

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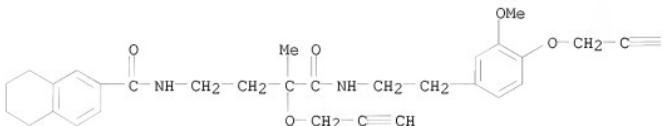
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RN 1067808-30-3 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-methyl-4-oxo-3-(2-propyn-1-

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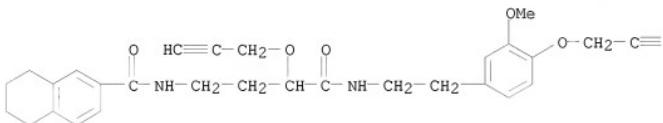
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CN 2-Naphthalene carboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]- (CA INDEX NAME)

PAGE 1-A



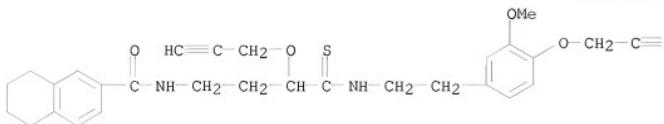
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RN 1067808-33-6 CAPLUS

CN 2-Naphthalene carboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-(2-propyn-1-yloxy)-4-thioxobutyl]- (CA INDEX NAME)

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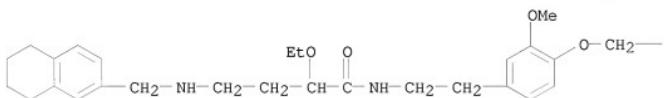
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CN Butanamide, 2-ethoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

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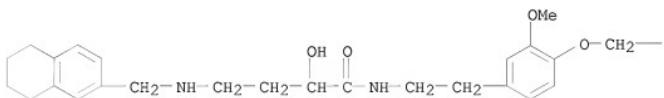
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RN 1067816-88-9 CAPLUS

CN Butanamide, 2-hydroxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

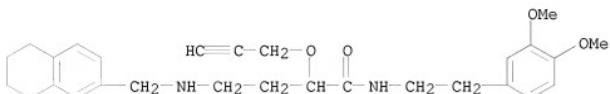
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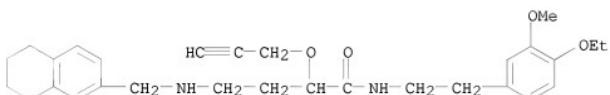
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CN Butanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



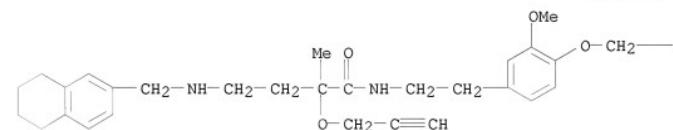
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CN INDEX NAME NOT YET ASSIGNED



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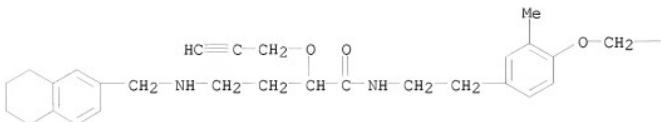
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RN 1067816-92-5 CAPLUS

CN Butanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

NAME)

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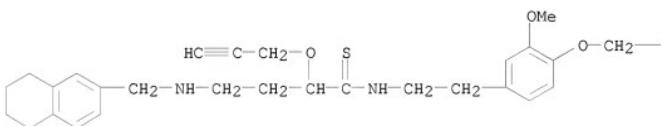
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RN 1067816-93-6 CAPLUS

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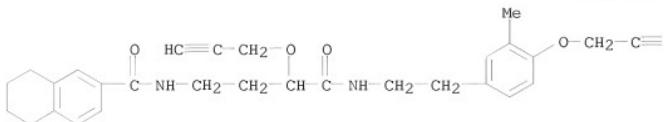
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CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[4-[(2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-4-oxo-3-(2-propyn-1-yloxy)butyl]- (CA INDEX NAME)

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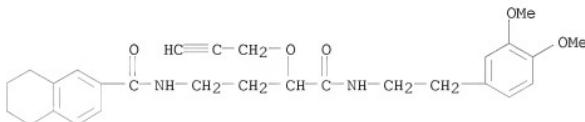


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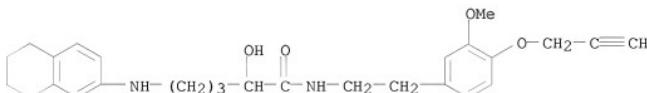
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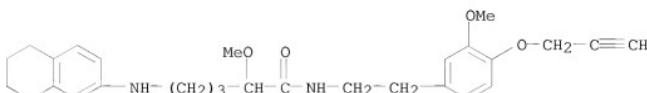
RN 1071996-32-1 CAPLUS

CN Pentanamide, 2-hydroxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1071996-34-3 CAPLUS

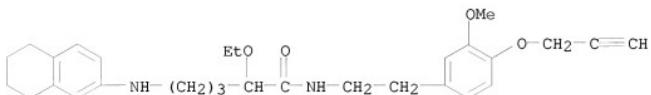
CN Pentanamide, 2-methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1071996-36-5 CAPLUS

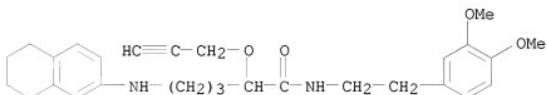
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CN Pentanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



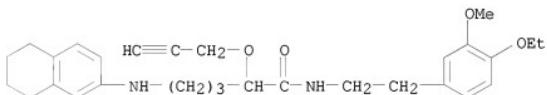
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CN Pentanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



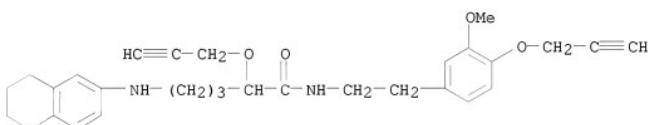
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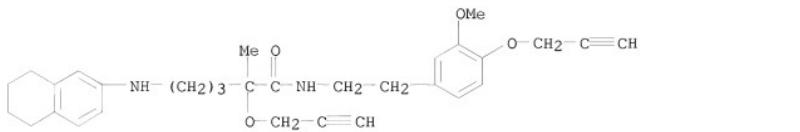
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CN Pentanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



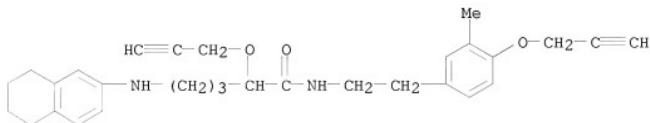
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CN Pentanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



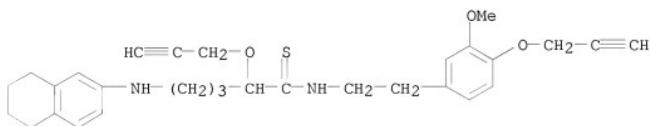
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CN Pentanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



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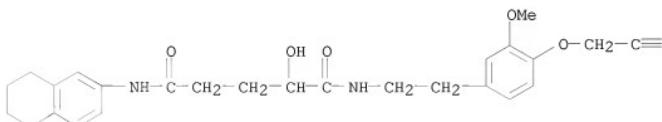
CN Pentanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-5-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



RN 1072090-17-5 CAPLUS

CN Pentanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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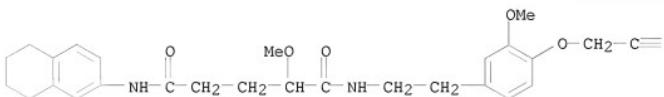
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RN 1072090-22-2 CAPLUS

CN Pentanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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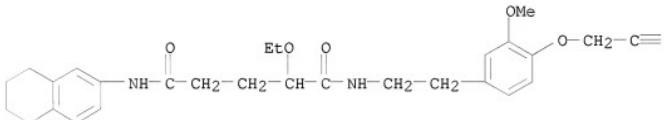
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RN 1072090-29-9 CAPLUS

CN Pentanediamide, 2-ethoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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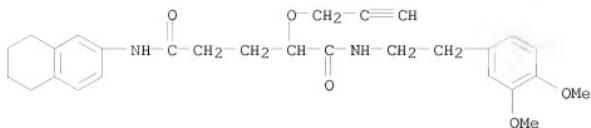
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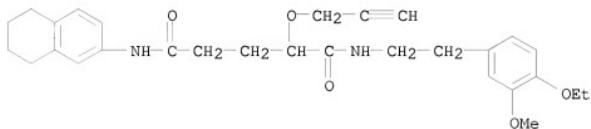
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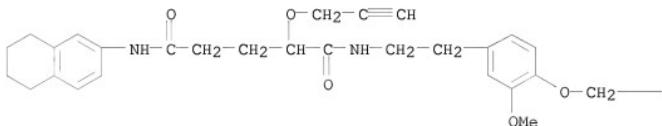


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CN INDEX NAME NOT YET ASSIGNED



RN 1072090-32-4 CAPLUS
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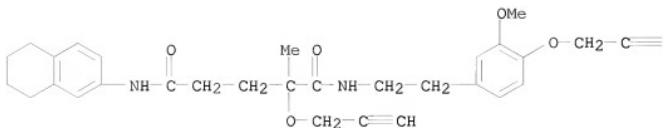


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RN 1072090-33-5 CAPLUS
CN Pentanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)-(CA INDEX NAME)

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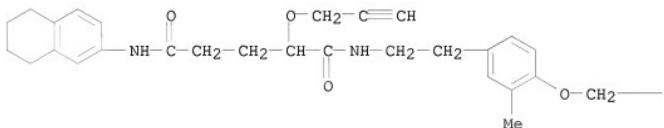
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RN 1072090-34-6 CAPLUS

CN Pentanediamide, N1-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)-(CA INDEX NAME)

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PAGE 1-B

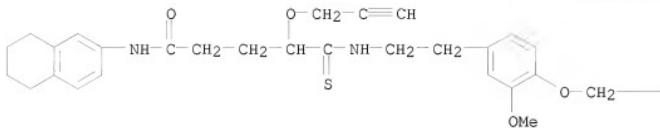
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10/513699

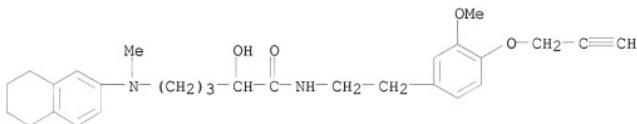
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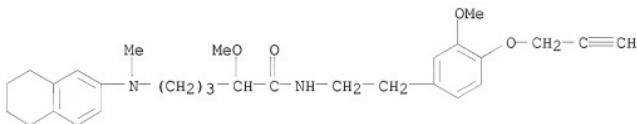
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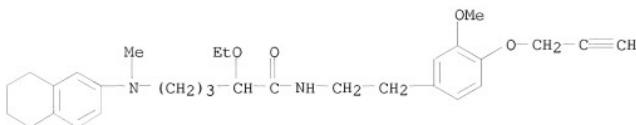
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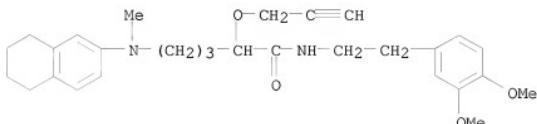
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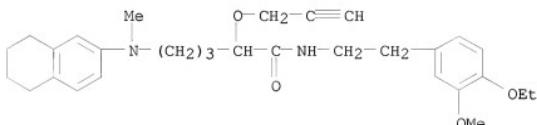
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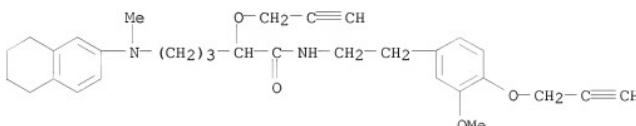
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CN INDEX NAME NOT YET ASSIGNED



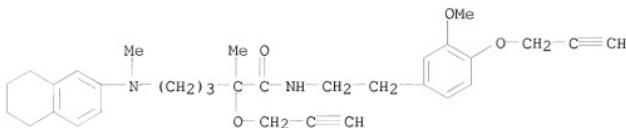
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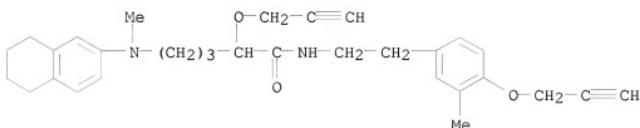
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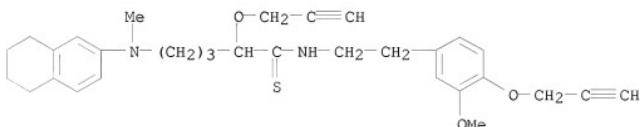
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RN 1072123-79-5 CAPLUS
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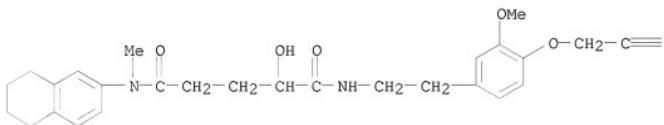


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CN INDEX NAME NOT YET ASSIGNED



RN 1072191-72-0 CAPLUS
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PAGE 1-A



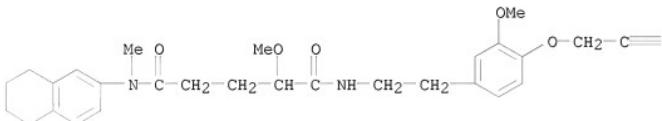
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RN 1072191-73-1 CAPLUS

CN Pentanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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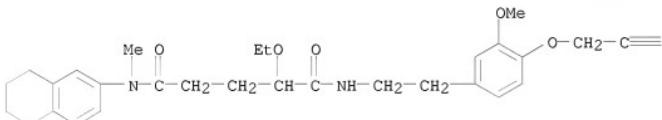
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CN Pentanediamide, 2-ethoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N5-methyl-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

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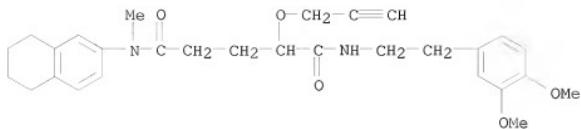
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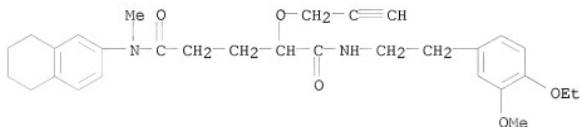
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CN Pentanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-N5-methyl-2-(2-propyn-1-yloxy)-N5-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

10/513699

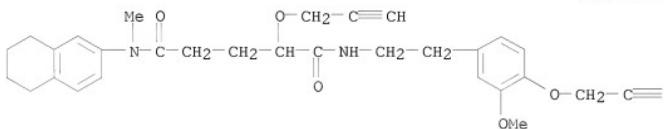


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CN INDEX NAME NOT YET ASSIGNED



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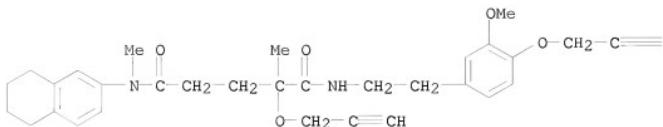


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INDEX NAME)

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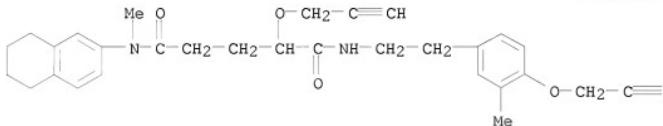
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RN 1072191-79-7 CAPLUS

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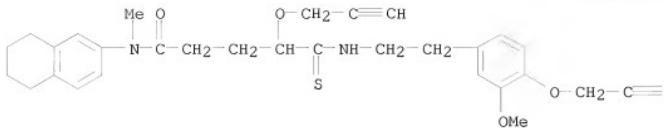
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RN 1072191-80-0 CAPLUS

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10/513699

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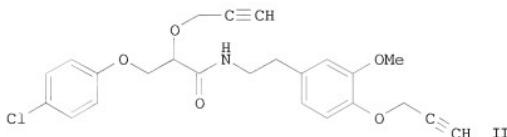
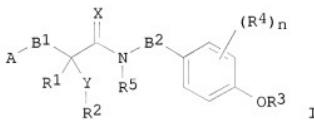
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7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1014566 CAPLUS
 DOCUMENT NUMBER: 138:41230
 TITLE: Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1	-----	20030522WO	2002-XC12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW	-----	-----	-----	-----
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR	-----	-----	-----	-----
PRIORITY APPLN. INFO.: GI		GB 2001-27556		20011116



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO₂, NH₂, CHO, CO₂H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(dialkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR1OR11)q or (CHR1OR11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO₂, NR₆, CO, OCO, CO₂, NR₆CO, or CONR₆; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-nyloxy)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)- α -(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

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	1067726-20-8	1067726-21-9	1067726-22-0
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	1067735-22-1	1067735-23-2	1067735-24-3
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	1067751-06-7	1067751-07-8	1067751-08-9
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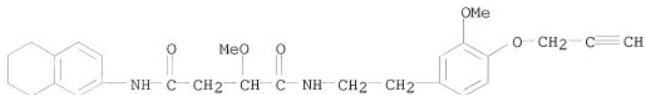
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(Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants)

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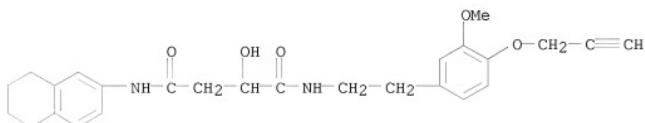
CN Butanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

10/513699



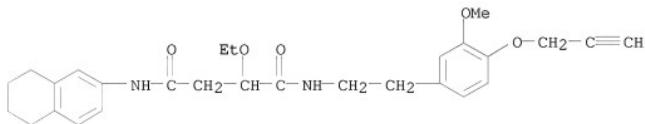
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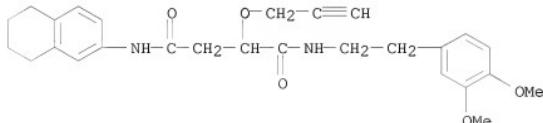
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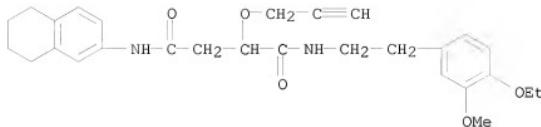
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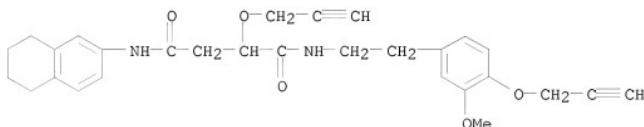
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CN INDEX NAME NOT YET ASSIGNED



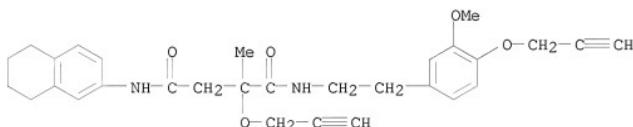
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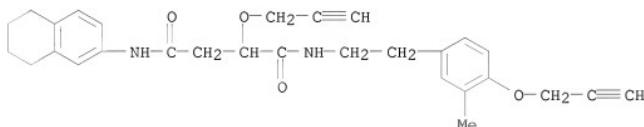
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RN 1067726-21-9 CAPLUS

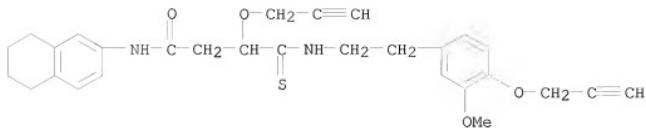
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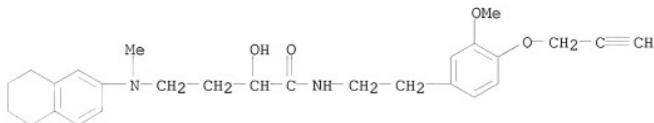
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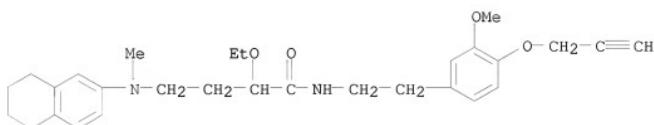
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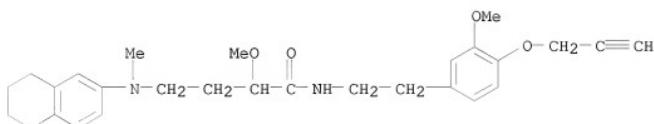
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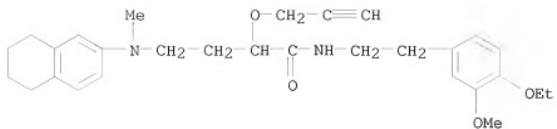


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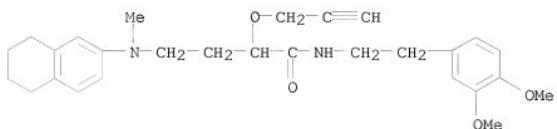


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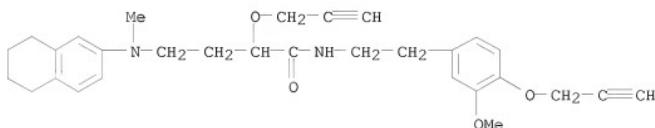
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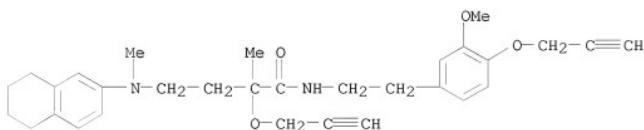
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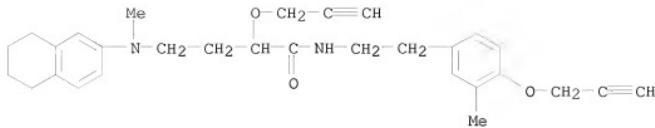


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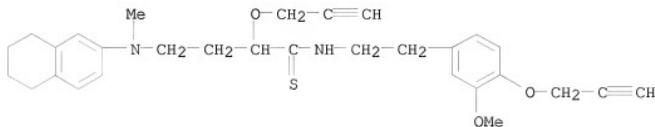


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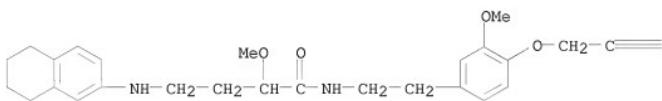


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CN INDEX NAME NOT YET ASSIGNED



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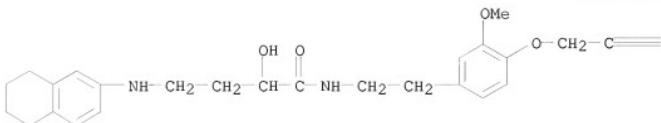


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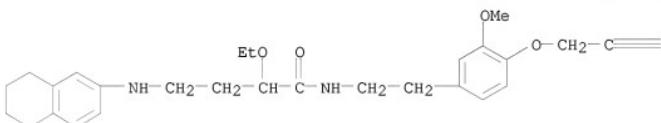


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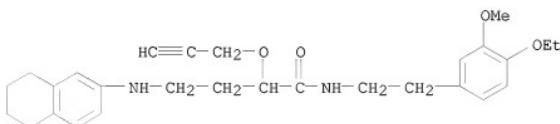
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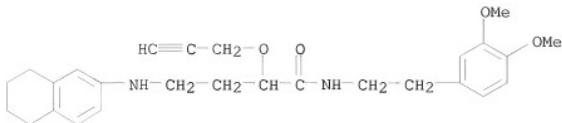
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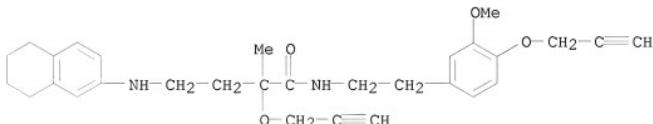
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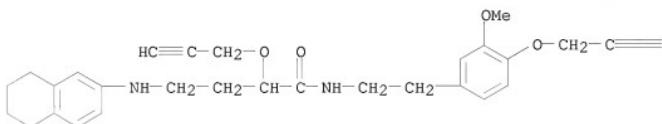


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RN 1067751-09-0 CAPLUS
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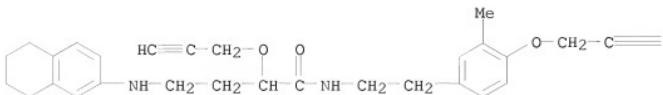


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 CN Butanamide, N-[2-(3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)

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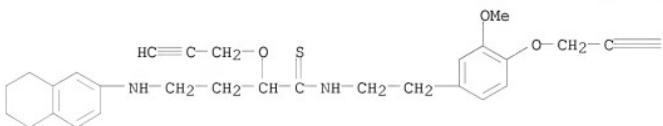
PAGE 1-B

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RN 1067751-11-4 CAPLUS

CN Butanethioamide, N-[2-[3-methoxy-4-(2-propynyl)phenyl]ethyl]-2-(2-propynyl)amino- (CA INDEX NAME)

PAGE 1-A

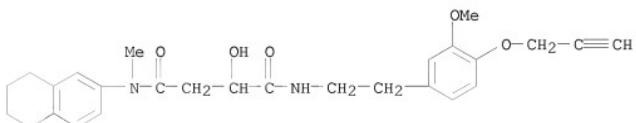


PAGE 1-B

≡ CH

RN 1067751-39-6 CAPLUS

CN Butanediamide, 2-hydroxy-N1-[2-[3-methoxy-4-(2-propynyl)phenyl]ethyl]-N4-methyl-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

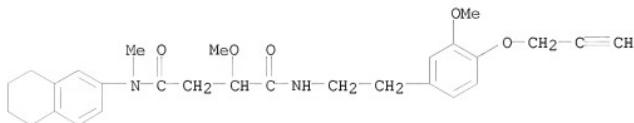


RN 1067751-40-9 CAPLUS

CN Butanediamide, 2-methoxy-N1-[2-[3-methoxy-4-(2-propynyl)phenyl]ethyl]- (CA INDEX NAME)

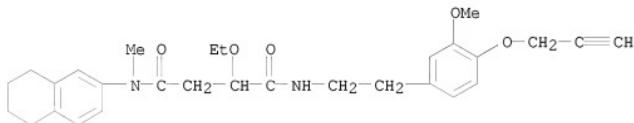
10/513699

yloxy)phenyl]ethyl]-N4-methyl-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



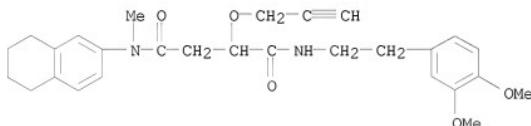
RN 1067751-41-0 CAPLUS

CN Butanediamide, 2-ethoxy-N1-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



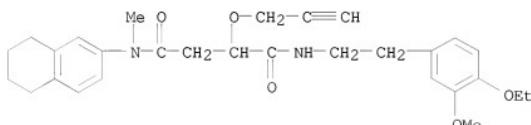
RN 1067751-42-1 CAPLUS

CN Butanediamide, N1-[2-(3,4-dimethoxyphenyl)ethyl]-N4-methyl-2-(2-propyn-1-yloxy)-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



RN 1067751-43-2 CAPLUS

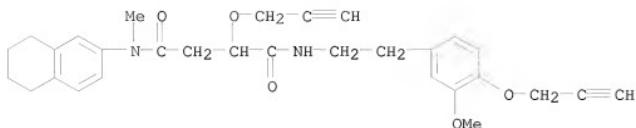
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RN 1067751-44-3 CAPLUS

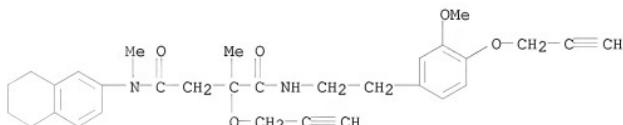
CN Butanediamide, N1-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-methyl-2-(2-propyn-1-yloxy)-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)

INDEX NAME)



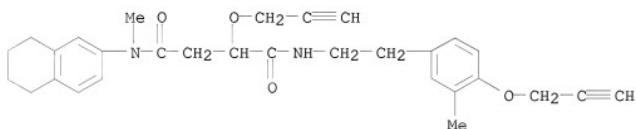
RN 1067751-45-4 CAPLUS

CN Butanediamide, N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



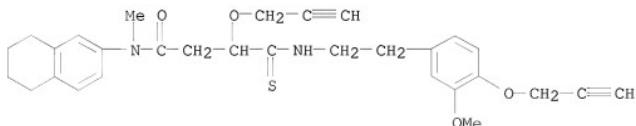
RN 1067751-46-5 CAPLUS

CN Butanediamide, N4-methyl-N1-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-N4-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



RN 1067751-47-6 CAPLUS

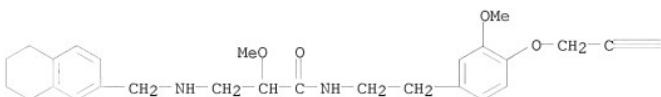
CN Butanediamide, 4-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-N-methyl-3-(2-propyn-1-yloxy)-N-(5,6,7,8-tetrahydro-2-naphthalenyl)-4-thioxo- (CA INDEX NAME)



10/513699

RN 1067753-93-8 CAPLUS
CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

PAGE 1-A

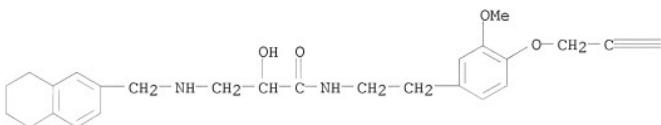


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RN 1067753-94-9 CAPLUS
CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

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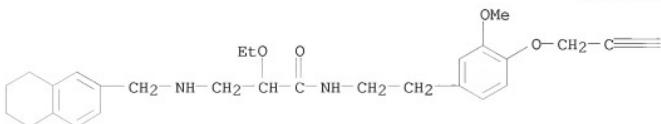


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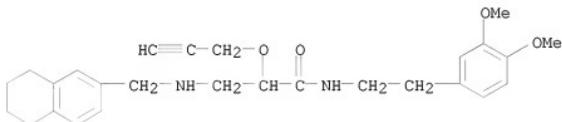
RN 1067753-95-0 CAPLUS
CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)

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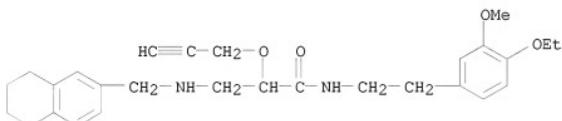


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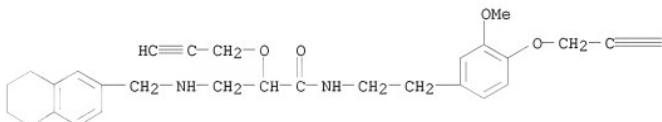
RN 1067753-96-1 CAPLUS
 CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



RN 1067753-97-2 CAPLUS
 CN Propanamides, N-[2-(4-ethoxy-3-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

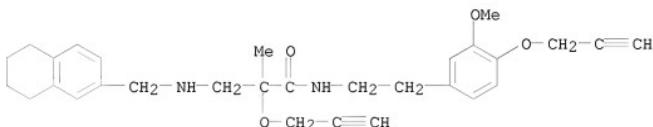


RN 1067753-98-3 CAPLUS
 CN Propanamide, N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

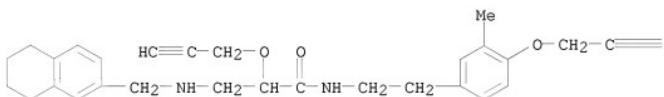


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RN 1067753-99-4 CAPLUS

CN Propanamide, N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-2-methyl-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-
(CA INDEX NAME)

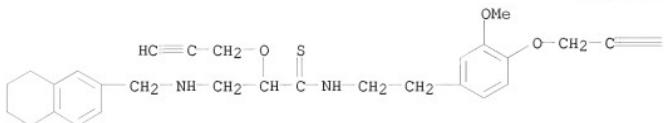
RN 1067754-00-0 CAPLUS

CN Propanamide, N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-
(CA INDEX NAME) $\equiv \text{CH}$

RN 1067754-01-1 CAPLUS

CN Propanethioamide, N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-
(CA INDEX NAME)

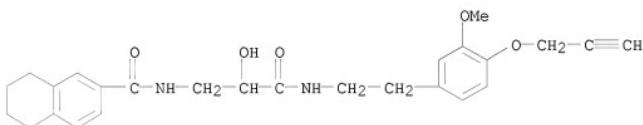
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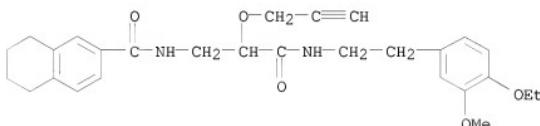
PAGE 1-B

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RN 1067766-98-6 CAPLUS
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-hydroxy-3-[(2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-oxopropyl]- (CA INDEX NAME)

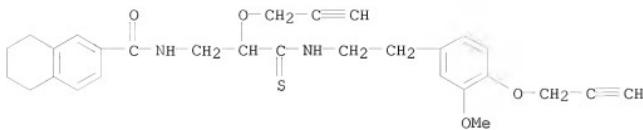


RN 1067766-99-7 CAPLUS
 CN 2-Naphthalenecarboxamide, N-[3-[(2-[(4-ethoxy-3-methoxyphenyl)ethyl]amino)-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



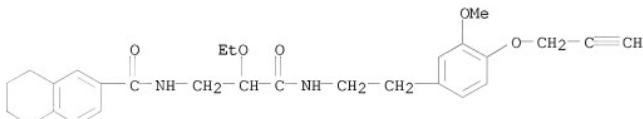
RN 1067767-00-3 CAPLUS
 CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[(2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-2-(2-propyn-1-yloxy)-3-thioxopropyl]- (CA INDEX NAME)

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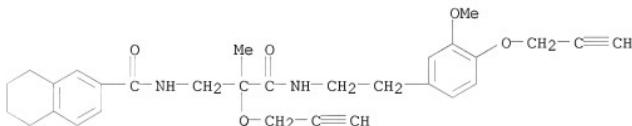
RN 1067767-87-6 CAPLUS

CN 2-Naphthalenecarboxamide, N-[2-ethoxy-3-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxopropyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



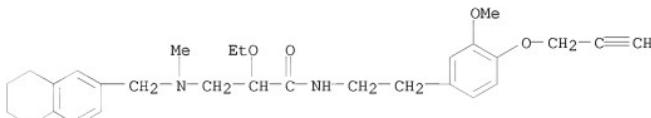
RN 1067767-88-7 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-methyl-3-oxo-2-(2-propyn-1-yloxy)propyl]- (CA INDEX NAME)



RN 1067769-33-8 CAPLUS

CN Propanamide, 2-ethoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)

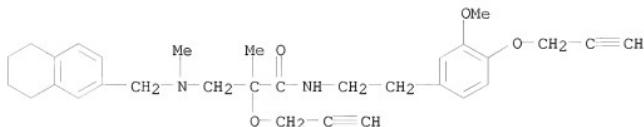


RN 1067769-34-9 CAPLUS

CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-methyl-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-

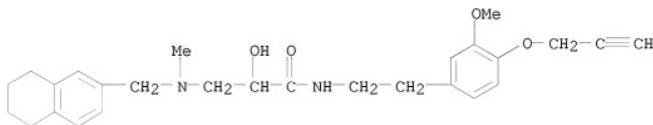
10/513699

yloxy)- (CA INDEX NAME)



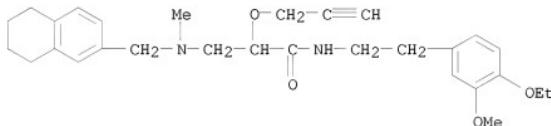
RN 1067770-20-0 CAPLUS

CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- (CA INDEX NAME)



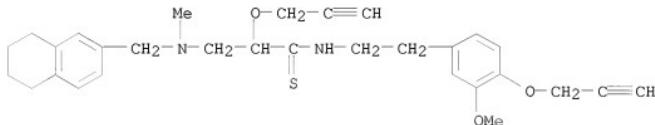
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CN INDEX NAME NOT YET ASSIGNED



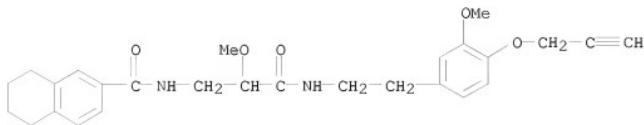
RN 1067770-23-3 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



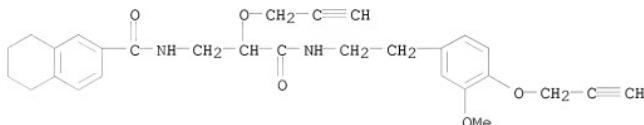
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CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-methoxy-3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-oxopropyl]- (CA INDEX NAME)



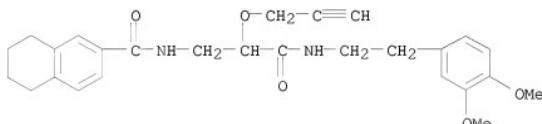
RN 1067771-39-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl- (CA INDEX NAME)



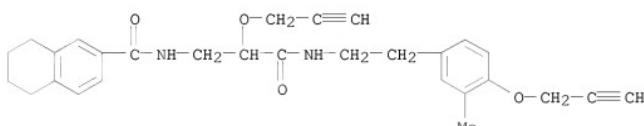
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CN 2-Naphthalenecarboxamide, N-[3-[2-(3,4-dimethoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl- (CA INDEX NAME)



RN 1067772-28-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl- (CA INDEX NAME)

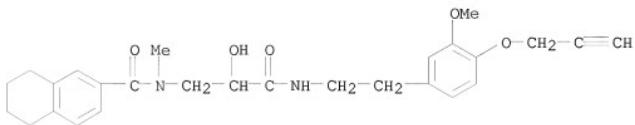


RN 1067773-43-6 CAPLUS

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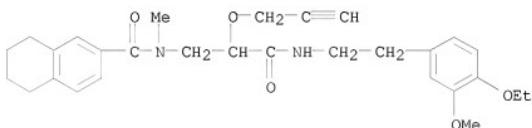
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4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxopropyl]-N-methyl- (CA INDEX NAME)



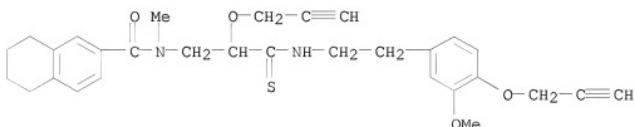
RN 1067773-44-7 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-[(2-(4-ethoxy-3-methoxyphenyl)ethyl]amino)-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)



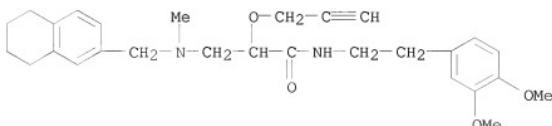
RN 1067773-45-8 CAPLUS

CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-(2-propyn-1-yloxy)-3-thioxopropyl]-N-methyl- (CA INDEX NAME)



RN 1067774-60-0 CAPLUS

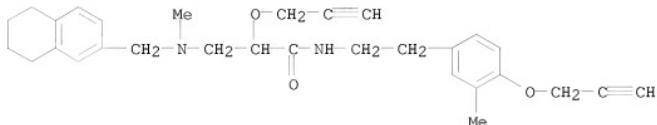
CN Propanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



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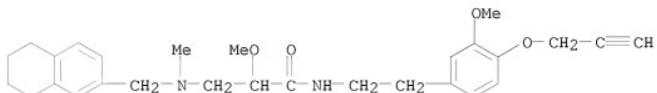
RN 1067774-61-1 CAPLUS

CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



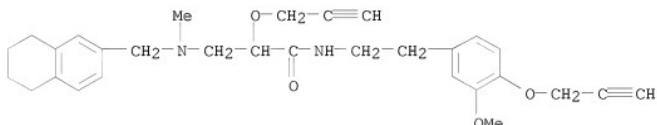
RN 1067775-48-7 CAPLUS

CN Propanamide, 2-methoxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]- (CA INDEX NAME)



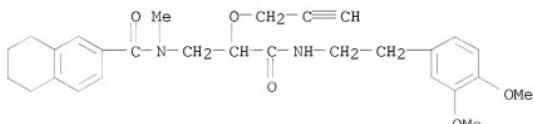
RN 1067775-49-8 CAPLUS

CN Propanamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[methyl[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino]-2-(2-propyn-1-yloxy)- (CA INDEX NAME)



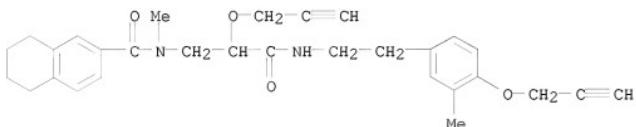
RN 1067780-47-5 CAPLUS

CN 2-Naphthalenecarboxamide, N-[3-[(2-(3,4-dimethoxyphenyl)ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-5,6,7,8-tetrahydro-N-methyl- (CA INDEX NAME)

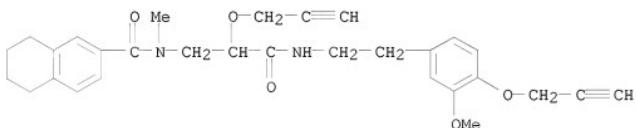


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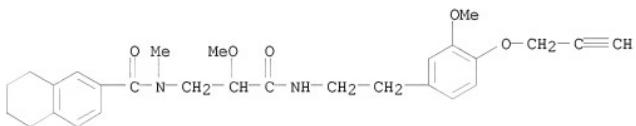
RN 1067780-48-6 CAPLUS
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-methyl-N-[3-[(2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-
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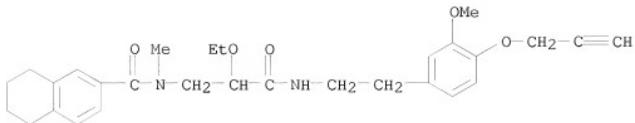
RN 1067782-21-1 CAPLUS
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-oxo-2-(2-propyn-1-yloxy)propyl]-N-methyl-
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RN 1067782-23-3 CAPLUS
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N-[2-methoxy-3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-oxopropyl]-N-methyl-
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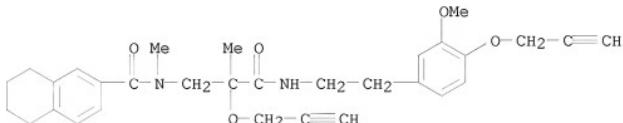


RN 1067784-08-0 CAPLUS
CN 2-Naphthalenecarboxamide, N-[2-ethoxy-3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-3-oxopropyl]-5,6,7,8-tetrahydro-N-methyl-
(CA INDEX NAME)



RN 1067784-10-4 CAPLUS

CN 2-Naphthalene carboxamide, 5,6,7,8-tetrahydro-N-[3-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-methyl-3-oxo-2-(2-propyn-1-yloxy)propyl]-N-methyl- (CA INDEX NAME)



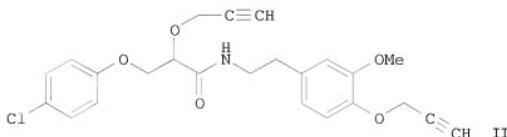
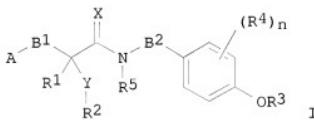
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7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:1014565 CAPLUS
 DOCUMENT NUMBER: 138:411229
 TITLE: Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamides for controlling fungal infestation in plants
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens; Kriz, Miroslav
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042167 A1	-----	20030522WO	2002-XB12845	20021115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW	-----	-----	-----	-----
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR	-----	-----	-----	-----
PRIORITY APPLN. INFO.: GI		GB 2001-27556		20011116



AB Title compds. I [wherein A = (un)substituted (hetero)aryl; X = O or S; Y = O or S; R1 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, or (halo)cycloalkyl; R2 and R3 = independently H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl(alkyl), (halo)alkoxyalkyl, (halo)alkoxyalkenyl, (halo)alkoxyalkynyl, or (un)substituted aryl(oxy)alkyl, arylalkenyl, or arylalkynyl; or R3 = (un)substituted

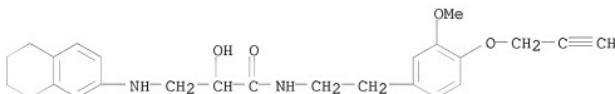
heteroarylalkyl, heteroarylalkenyl, or heteroarylalkynyl; R4 = halo, CN, NO₂, NH₂, CHO, CO₂H, (halo)alkyl, (halo)alkenyl(oxy), (halo)alkynyl(oxy), (halo)alkoxy(alkyl), (halo)alkylthio, (halo)alkanoyl, (halo)(dialkylamino, or (halo)alkoxycarbonyl; R5 = H, alkyl, alkenyl, or alkynyl; n = 0-4; B1 = (CR1OR11)q or (CHR1OR11)rZ(CR12R13)s; q = 2-4; r = 0-3; s = 1-3; r + s = 1-3; Z = O, S, SO, SO₂, NR₆, CO, OCO, CO₂, NR₆CO, or CONR₆; R6 = H or alkyl; R10-R13 = independently H or alkyl; B2 = alkylene bridge; and optical isomers and mixts. thereof were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, 3-chlorolactic acid was coupled with 4-chlorophenol in 3.3N NaOH to give 3-(4-chlorophenoxy)-2-hydroxypropionic acid. Amidation with 2-[3-methoxy-4-[(prop-2-ynyl)oxy]phenyl]ethylamine•HCl in the presence of N,N-diisopropylethylamine in DMF, followed by etherification with propargyl bromide in toluene provided the N-(phenethyl)- α -(propargyloxy)propionamide II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm. [This abstract record is one of 6 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1067363-15-8 1067363-16-9 1067363-17-0
 1067363-18-1 1067363-19-2 1067363-20-5
 1067363-21-6 1067363-22-7 1067363-23-8
 1067407-81-1 1067407-82-2 1067407-83-3
 1067407-84-4 1067407-85-5 1067407-86-6
 1067407-87-7 1067407-88-8 1067407-89-9

RL: PRPH (Prophetic)
 (Preparation of α -oxygenated or α -thiolated carboxylic acid phenethylamines for controlling fungal infestation in plants)

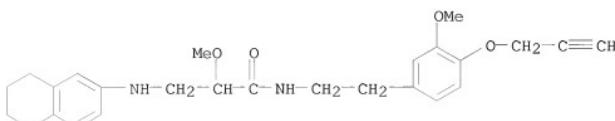
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CN Propanamide, 2-hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



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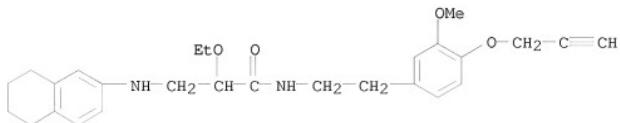
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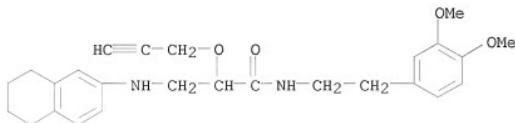
RN 1067363-17-0 CAPLUS

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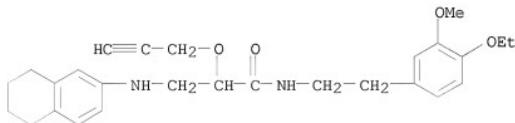
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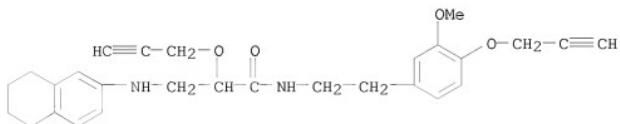
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CN Propanamide, N-[2-(4-ethoxy-3-methoxyphenyl)ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



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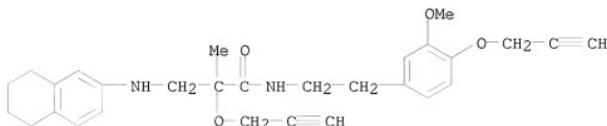
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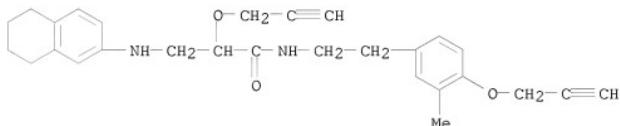
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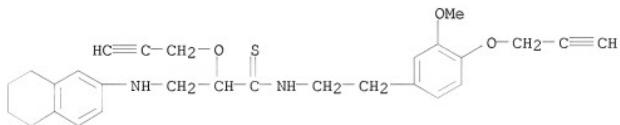
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CN Propanamide, N-[2-[3-methyl-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



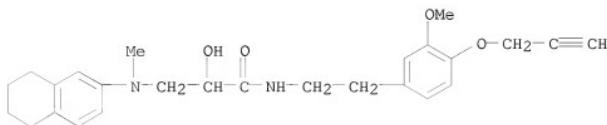
RN 1067363-23-8 CAPLUS

CN Propanethioamide, N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-2-(2-propyn-1-yloxy)-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



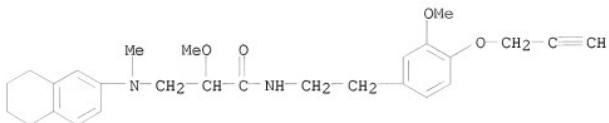
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CN INDEX NAME NOT YET ASSIGNED

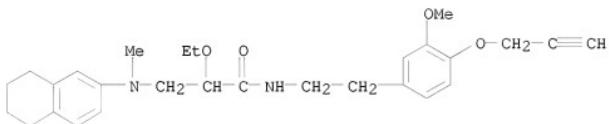


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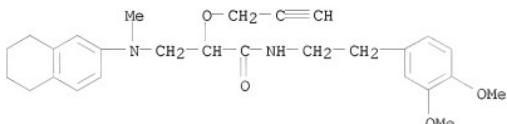
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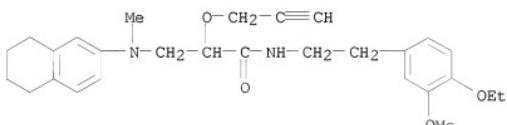
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CN INDEX NAME NOT YET ASSIGNED



RN 1067407-84-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

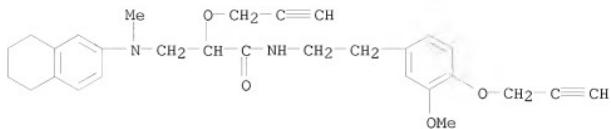


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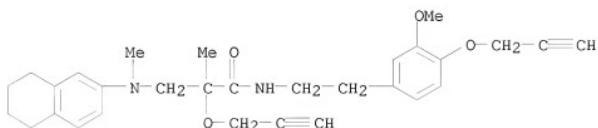


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CN INDEX NAME NOT YET ASSIGNED

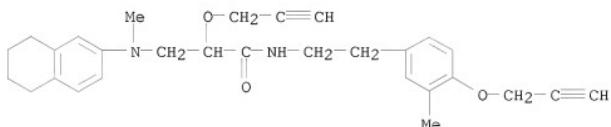
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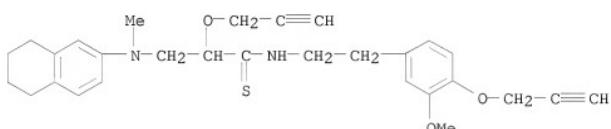
RN 1067407-87-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1067407-88-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1067407-89-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:696854 CAPLUS
 DOCUMENT NUMBER: 139:214722
 TITLE: Preparation of (substituted)acyl dipeptidyl inhibitors
 of the ICE/ced-3 family of cysteine proteases
 INVENTOR(S): Karanewsky, Donald S.; Kalish, Vincent J.; Robinson,
 Edard D.; Ullman, Brett R.
 PATENT ASSIGNEE(S): Iduu Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 87 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003072528	A2	20030904	WO 2003-US3987	20030207 <--
WO 2003072528	A3	20040325		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2003248360	A1	20030909	AU 2003-248360	20030207 <--
US 20030232788	A1	20031218	US 2003-360599	20030207 <--
EP 1480999	A2	20041201	EP 2003-743123	20030207 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.: US 2002-355390P			P 20020208	
		WO 2003-US3987		W 20030207

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:214722

AB Compds. R1(CH2)nCHR2CO-A-NHCH[(CH2)qCO2R3]CO-B [A is a natural or unnatural amino acid; B = H, D, alkyl, cycloalkyl, (un)substituted Ph or naphthyl, 2-benzoxazolyl, halomethyl, (CH2)m cycloalkyl, (CH2)m(1- or 2-naphthyl), substituted 2-oxazolyl, (un)substituted (CH2)mphenyl, CH2CO(aryl), or CH2CO(heteroaryl), etc.; R1 = (un)substituted cycloalkyl, Ph, naphthyl, or heteroaryl; R2 = H, alkyl, cycloalkyl, (un)substituted Ph, (CH2)mNH2, (un)substituted (CH2)mphenyl, (CH2)m cycloalkyl, (CH2)m heteroaryl, etc.; R3 = H, alkyl, cycloalkyl, (cycloalkyl)alkyl, (un)substituted phenylalkyl; m = 1-4, n = 0-2; q = 1-2] or their pharmaceutically-acceptable salts were prepared as inhibitors of the ICE/ced-3 family of cysteine proteases (ICE = interleukin-1 β converting enzyme). Thus, coupling of (1-naphthyl)acetic acid with (3S)-3-(leucylamino)-4-oxobutanoinic acid tert-Bu ester semicarbazone (preparation given) followed by deprotection of the resulting intermediate with TFA, and treatment with a 3:1:1 solution of MeOH/AcOH/37% HCHO afforded (3S)-3-[N-[(1-naphthyl)acetyl]leucyl]amino-4-oxobutanoinic acid. The invention is also directed to pharmaceutical compns. containing these compds., as well as the use of such compns. in the treatment of patients suffering

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inflammatory, autoimmune and neurodegenerative diseases, for the prevention of ischemic injury, and for the preservation of organs that are to undergo a transplantation procedure.

IT 1080814-59-0

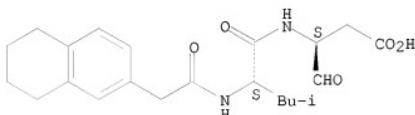
RL: PRPH (Prophetic)

(Preparation of (substituted)acyl dipeptidyl inhibitors of the ICE/ced-3 family of cysteine proteases)

RN 1080814-59-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:472358 CAPLUS
 DOCUMENT NUMBER: 139:53025
 TITLE: Preparation of vanilloid receptor ligands and their use in treatments
 INVENTOR(S): Bo, Yunxin Y.; Chakrabarti, Partha P.; Chen, Ning; Doherty, Elizabeth M.; Fotsch, Christopher H.; Han, Nianhe; Kelly, Michael G.; Liu, Qingyan; Norman, Mark Henry; Wang, Xianghong; Zhu, Jiawang; Ognyanov, Vassil; Bo, Yunxin Y.; Chakrabarti, Partha P.; Chen, Ning; Doherty, Elizabeth M.; Fotsch, Christopher H.; Han, Nianhe; Kelly, Michael; Liu, Qingyan; et al.
 PATENT ASSIGNEE(S): Amgen Inc., USA; et al.
 SOURCE: PCT Int. Appl., 611 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003049702	A2	20030619	WO 2002-US39589	20021210 <--
WO 2003049702	A3	20040212		
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AU 2002364549	A1	20030623	AU 2002-364549	20021210 <--
AU 2002364549	B2	20071122		
US 20030195201	A1	20031016	US 2002-316295	20021210 <--
US 7582657	B2	20090901		
EP 1463714	A2	20041006	EP 2002-799927	20021210 <--
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EP 1764358	A2	20070321	EP 2006-10087	20021210
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AU 2003247425	B2	20070308		
US 20040038969	A1	20040226	US 2003-445170	20030520 <--
US 7053088	B2	20060530		
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MX 2004005427	A	20050419	MX 2004-5427	20040604
MX 2004011472	A	20050214	MX 2004-11472	20041118
US 20050227986	A1	20051013	US 2005-100077	20050405
US 7579347	B2	20090825		
US 20050272931	A1	20051208	US 2005-195159	20050801
US 20060030618	A1	20060209	US 2005-100272	20050405
US 20050267163	A1	20051201	US 2005-195302	20050801
US 7524874	B2	20090428		
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US 7332511	B2	20080219		
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US 7148221	B2	20061212		
US 20050277646	A1	20051215	US 2005-195303	20050801
US 7396831	B2	20080708		
AU 2007200149	A1	20070201	AU 2007-200149	20070115
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US 20090264424	A1	20091022	US 2009-492376	20090626
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			EP 2002-799927	A3 20021210
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			WO 2003-US16655	W 20030520
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 139:53025

AB Claimed are compds. having the general structure R1CR2:CR3C(:X)YR4 or R1R2CHCR3R3C(:X)YR4 (I; variables defined below; e.g.

(2E)-3-[4-(tert-butyl)phenyl]-N-phenylprop-2-enamide and (2,3-dihydrobenzo[1,4]dioxin-6-yl)[4-(4-dimethylaminophenyl)pyridin-2-yl]amine) and compns. containing them, for the treatment of acute, inflammatory and neuropathic pain, dental pain, general headache, migraine, cluster headache, mixed-vascular and nonvascular syndromes, tension headache, , general inflammation arthritis, rheumatic diseases, osteoarthritis, inflammatory bowel disorders, inflammatory eye disorders,inflammatory or unstable bladder disorders, psoriasis, skin complaints with inflammatory components, chronic inflammatory conditions, inflammatory pain and associated hyperalgesia and allodynia, neuropathy pain and associated hyperalgesia and allodynia, diabetic neuropathy pain, causalgia, sympathetically maintained pain, deafferentiation syndromes, asthma, epithelial tissue damage or dysfunction, herpes simplex, disturbances of visceral motility at respiratory, genitourinary, gastrointestinal or vascular regions, wounds, burns, allergic skin reactions, pruritis, vitiligo, general gastrointestinal disorders, gastric ulceration, duodenal ulcers, diarrhea, gastric lesions induced by necrotizing agents, hair growth, vasomotor or allergic rhinitis, bronchial disorders or bladder disorders. I are thought to be vanilloid receptor ligands, but no test data are provided. Although the methods of preparation are not claimed, .apprx.130 example preps. and characterization data for .apprx.400 I are included. For I: R1 is Ph, naphthyl or (un)saturated 5- or 6-membered ring heterocycle; R2 is H, hydroxy, halo, Cl-6alkyl, or (un)saturated 5- or 6-membered ring heterocycle; or R1 and R2 together are o-benzenediyl-L1-o-benzenediyl. R3 is H or Cl-4alkyl; or R1 and R3 together are o-benzenediyl-L2- or -Z-L2- (Z = pyridine-2,3-diyl). R4 is Ph, (un)saturated 5- or 6-membered ring heterocycle, 10-membered bicyclic ring comprising fused 6-membered rings, containing 0-4 N atoms with the remainder being C atoms, with at least one of the 6-membered rings being aromatic; X is O, S or NR_a; or X and R2 together are :N-CH:CH-, :C=O-, :C=S-, or :C=NRA_a; Y is NH or O; addnl. details including provisos are given in the claims.

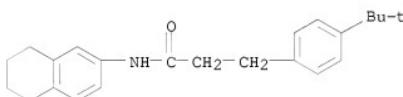
IT 1064718-76-8

RL: PRPH (Prophetic)

(Preparation of vanilloid receptor ligands and their use in treatments)

RN 1064718-76-8 CAPLUS

CN Benzenepropanamide, 4-(1,1-dimethylethyl)-N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



OS.CITING REF COUNT:

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THERE ARE 29 CAPLUS RECORDS THAT CITE THIS RECORD (66 CITINGS)

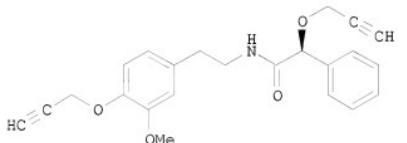
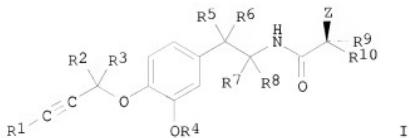
L5 ANSWER 11 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:396732 CAPLUS
 DOCUMENT NUMBER: 138:385175
 TITLE: Preparation of N-[(propargyloxy)phenyl]alkylarylacetamides for controlling fungal infestations in plants
 INVENTOR(S): Zeller, Martin; Lamberth, Clemens
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003041728	A1	20030522	WO 2002-EP12848	20021115 <--
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AU 2002363600	A1	20030526	AU 2002-363600	20021115 <--
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IN 2004DN01098	A	20050401	IN 2004-DN1098	20040423
US 20050026785	A1	20050203	US 2004-495153	20040510
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PRIORITY APPLN. INFO.:			GB 2001-27554	A 20011116
			WO 2002-EP12848	W 20021115

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 138:385175

GI



AB Title Ph propargyl ether derivs. I [wherein R1 = H, (cyclo)alkyl, or (un)substituted aryl; R2 and R3 = independently H or alkyl; R4 = aryl, alkenyl, or alkynyl; R5-R8 = independently H or alkyl; R9 = H or (un)substituted alkyl, alkenyl, or alkynyl; R10 = (un)substituted (hetero)aryl; Z = (un)substituted aryloxy, alkoxy, alklenyloxy, or alkynyloxy; and optical isomers and mixts. thereof] were prepared. These compds. possess useful plant protecting properties and may be employed advantageously in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi. For example, reaction of 2-[3-methoxy-4-[(prop-2-ynyl)oxyl]phenyl]ethylamine•HCl and L-(+)-mandelic acid in the presence of N,N-diisopropylethylamine in DMF gave the amide. Etherification with propargyl bromide in toluene provided II. The latter showed residual protective action and residual curative action against fungal infestation by *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants by 80-100% at 200 ppm.

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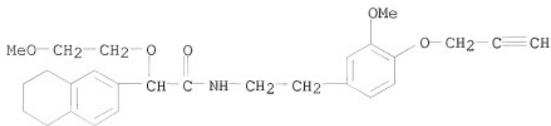
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RL: PRPH (Prophetic)

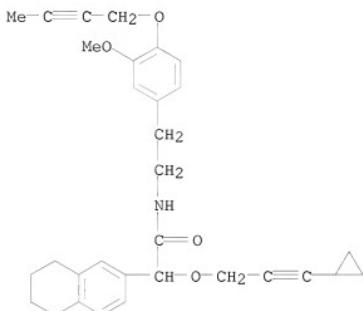
(Preparation of N-[{(propargyloxy)phenyl]alkyl]arylacetamides for controlling fungal infestations in plants)

RN 1055179-98-0 CAPLUS

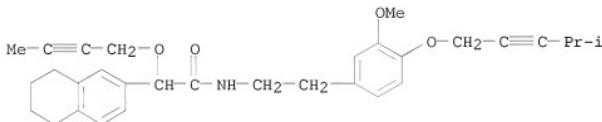
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -(2-methoxyethoxy)-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055181-48-0 CAPLUS
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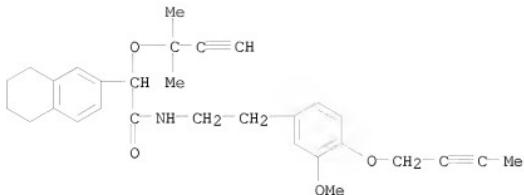


RN 1055182-12-1 CAPLUS
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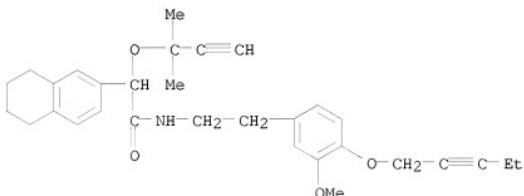


RN 1055182-57-4 CAPLUS
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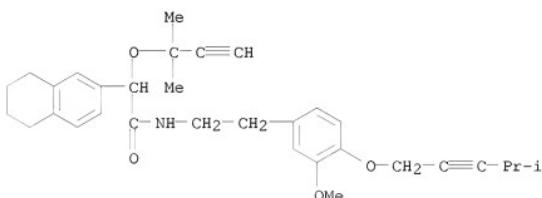
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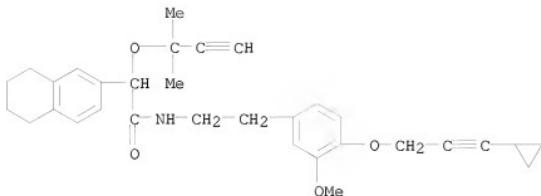
RN 1055182-58-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



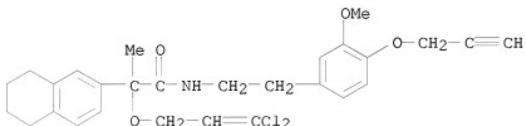
RN 1055182-59-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



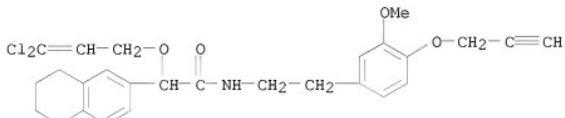
RN 1055182-60-9 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055183-36-2 CAPLUS

CN 2-Naphthaleneacetamide, α -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

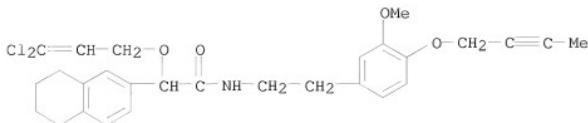
RN 1055183-37-3 CAPLUS

CN 2-Naphthaleneacetamide, α -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

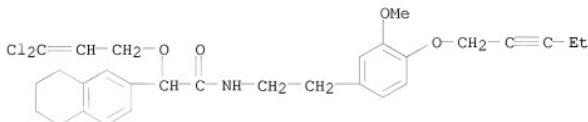
RN 1055183-38-4 CAPLUS

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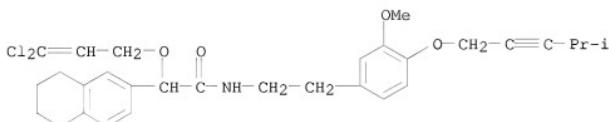
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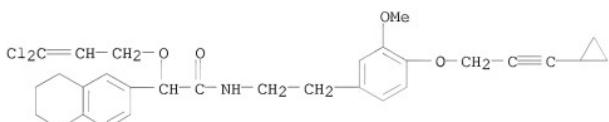
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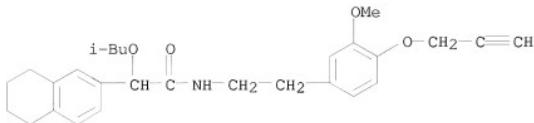
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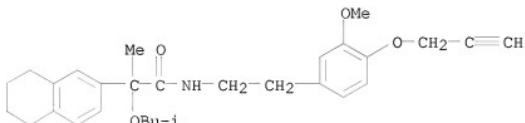
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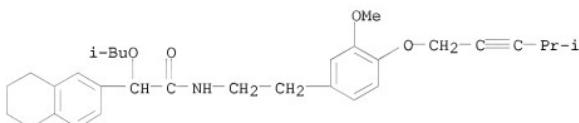
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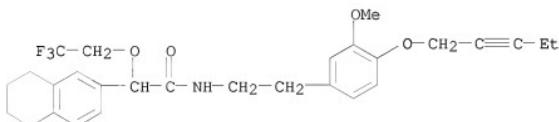
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RN 1055185-19-7 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

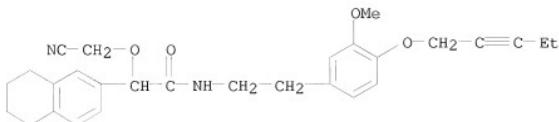


RN 1055186-14-5 CAPLUS
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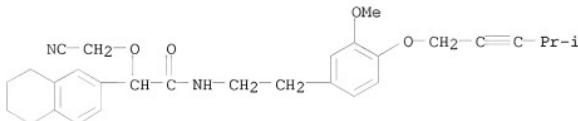


RN 1055186-58-7 CAPLUS
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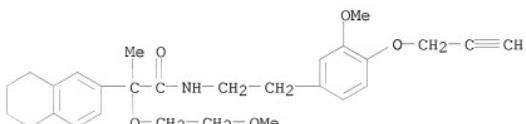
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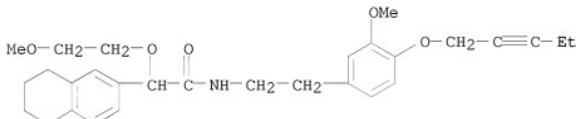
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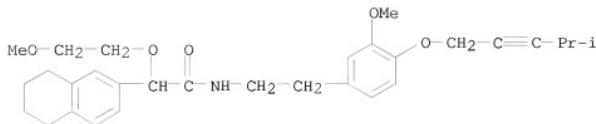
RN 1055189-32-6 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -(2-methoxyethoxy)-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl- α -methyl- (CA INDEX NAME)



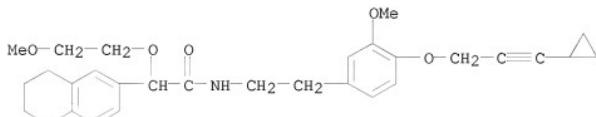
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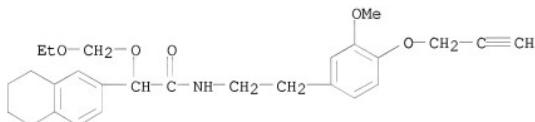
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CN INDEX NAME NOT YET ASSIGNED



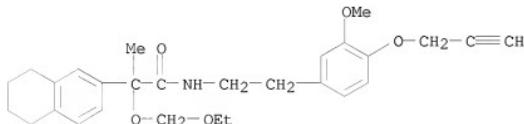
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RN 1055199-07-9 CAPLUS
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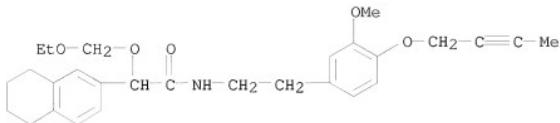


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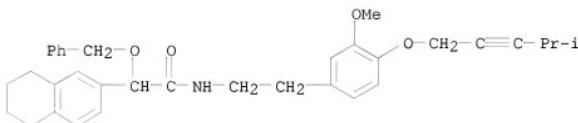


RN 1055199-09-1 CAPLUS
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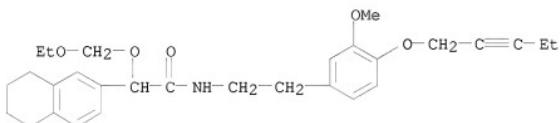
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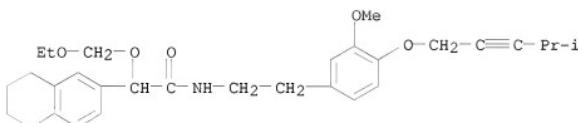
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CN INDEX NAME NOT YET ASSIGNED



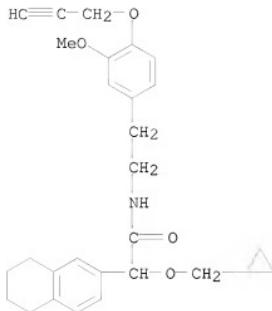
RN 1055203-63-8 CAPLUS
CN 2-Naphthaleneacetamide, α -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055203-64-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

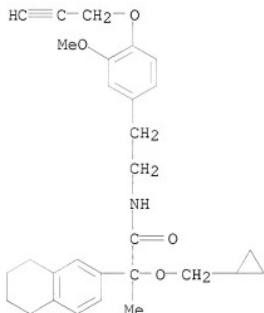


RN 1055206-24-0 CAPLUS
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055206-25-1 CAPLUS

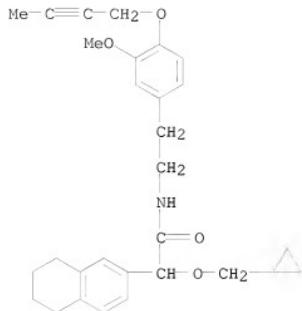
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynylmethoxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



RN 1055206-26-2 CAPLUS

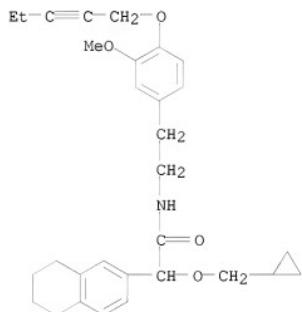
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynylmethoxy)-3-methoxyphenyl]ethyl]- α -(cyclopropylmethoxy)- (CA INDEX NAME)

10/513699



RN 1055206-27-3 CAPLUS

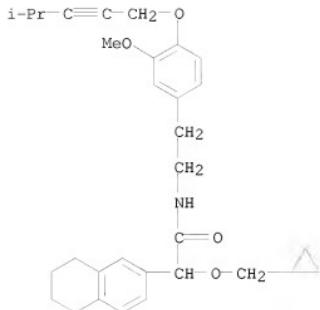
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055206-28-4 CAPLUS

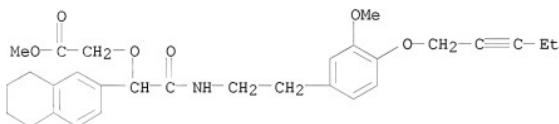
CN INDEX NAME NOT YET ASSIGNED

10/513699



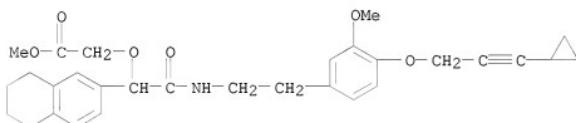
RN 1055207-50-5 CAPLUS

CN Acetic acid, 2-[2-{[2-{3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl}amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester (CA INDEX NAME)



RN 1055207-51-6 CAPLUS

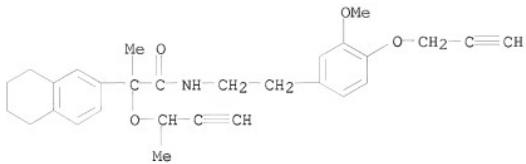
CN Acetic acid, 2-[2-{[2-{4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl}amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester (CA INDEX NAME)



RN 1055208-05-3 CAPLUS

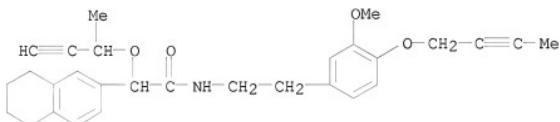
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)

10/513699



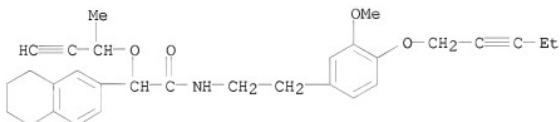
RN 1055208-06-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



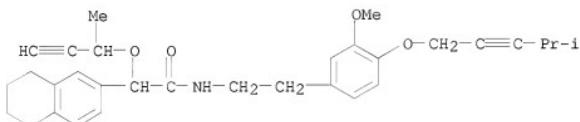
RN 1055208-07-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



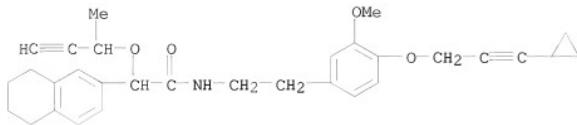
RN 1055208-08-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

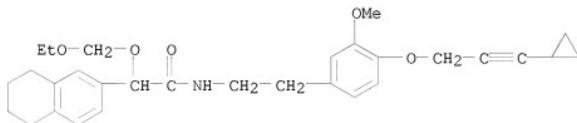


RN 1055208-09-7 CAPLUS

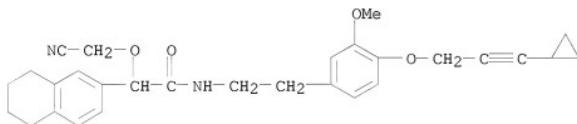
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



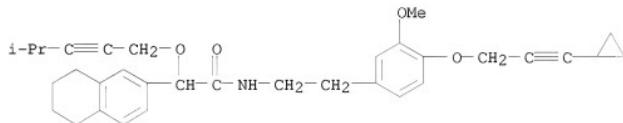
RN 1055208-72-4 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



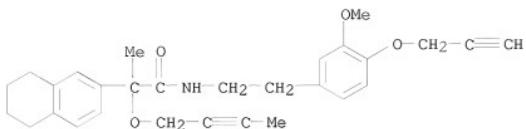
RN 1055209-45-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -(cyanomethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



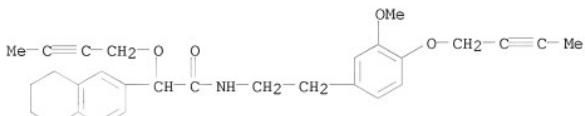
RN 1055210-27-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



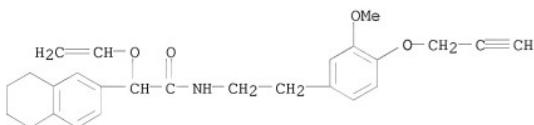
RN 1055214-37-3 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -(butynyl)-5,6,7,8-tetrahydro-] - α -methyl- (CA INDEX NAME)



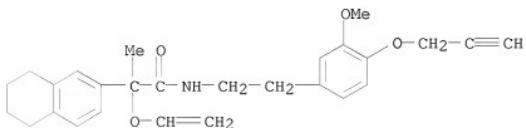
RN 1055214-38-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-N-[2-(4-(2-butyn-1-yloxy)-3-methoxyphenyl)ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



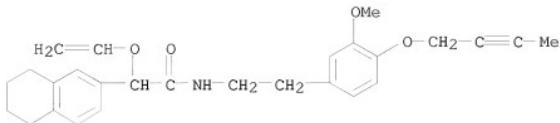
RN 1055215-71-8 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)



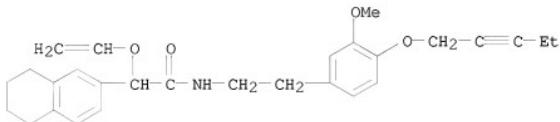
RN 1055215-72-9 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- (CA INDEX NAME)



RN 1055215-73-0 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

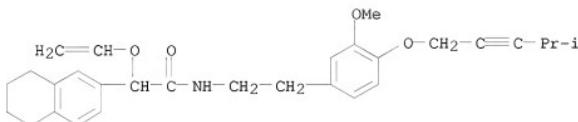


RN 1055215-74-1 CAPLUS

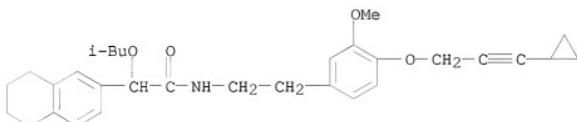
CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentynyl)oxy]phenyl]ethyl]- (CA INDEX NAME)

RN 1055215-75-2 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

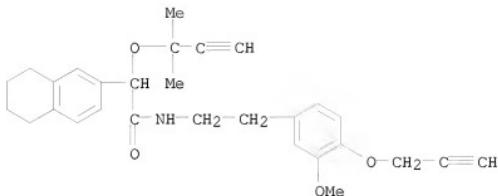


RN 1055216-06-2 CAPLUS

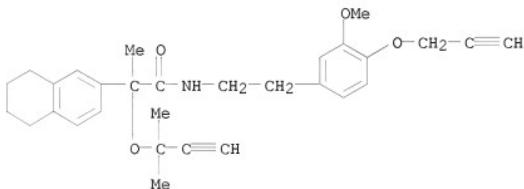
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propynyl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methylpropoxy)- (CA INDEX NAME)

RN 1055216-39-1 CAPLUS

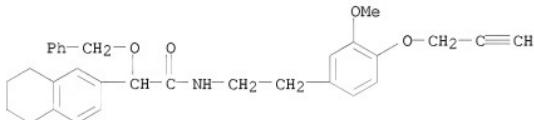
CN 2-Naphthaleneacetamide, α -[(1,1-dimethyl-2-propynyl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl]- (CA INDEX NAME)



RN 1055216-40-4 CAPLUS

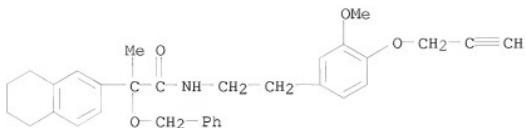
CN 2-Naphthaleneacetamide, α -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

RN 1055216-75-5 CAPLUS

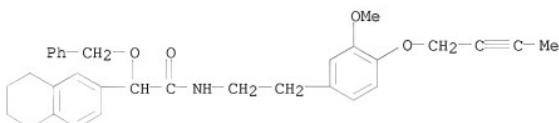
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(phenylmethoxy)- (CA INDEX NAME)

RN 1055216-76-6 CAPLUS

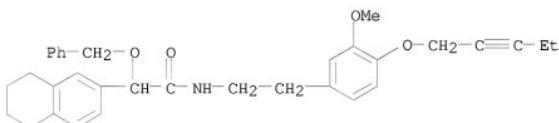
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(phenylmethoxy)- (CA INDEX NAME)



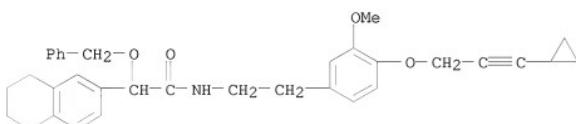
RN 1055216-77-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(phenylmethoxy)- (CA INDEX NAME)



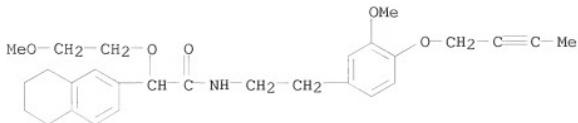
RN 1055216-78-8 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(phenylmethoxy)- (CA INDEX NAME)



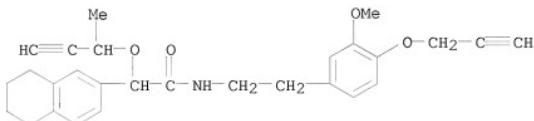
RN 1055216-79-9 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(phenylmethoxy)- (CA INDEX NAME)



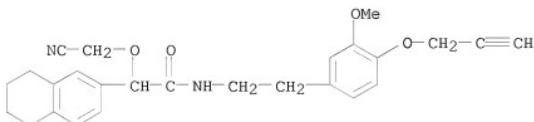
RN 1055216-94-8 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methoxyethoxy)- (CA INDEX NAME)



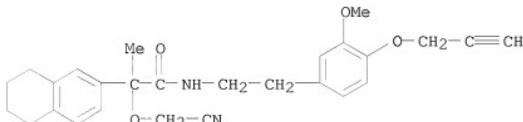
RN 1055217-05-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



RN 1055217-88-3 CAPLUS
 CN 2-Naphthaleneacetamide, α-[(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl]- (CA INDEX NAME)

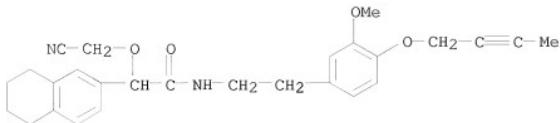


RN 1055217-89-4 CAPLUS
 CN 2-Naphthaleneacetamide, α-[(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl]-α-methyl- (CA INDEX NAME)

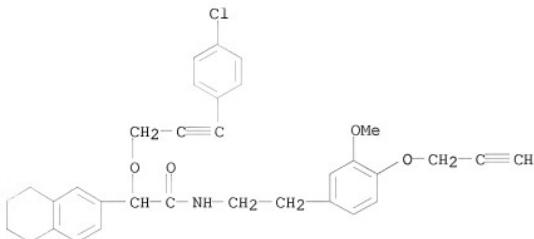


RN 1055217-90-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[(4-(2-butynyl)oxy)-3-methoxyphenyl]ethyl]-α-[(cyanomethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

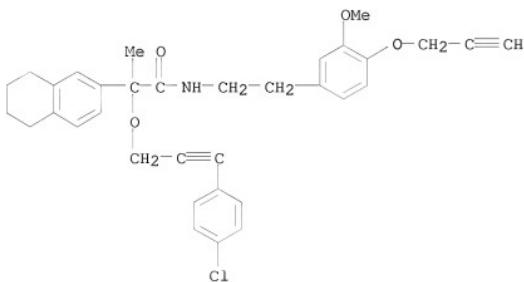
10/513699



RN 1055218-09-1 CAPLUS
CN 2-Naphthaleneacetamide, α -[(3-(4-chlorophenyl)-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl- (CA INDEX NAME)



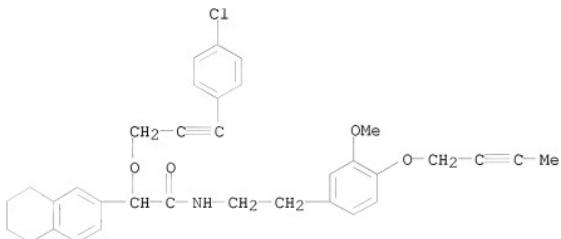
RN 1055218-10-4 CAPLUS
CN 2-Naphthaleneacetamide, α -[(3-(4-chlorophenyl)-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl- α -methyl- (CA INDEX NAME)



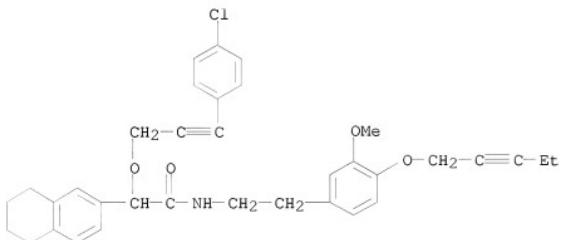
RN 1055218-11-5 CAPLUS

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CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-
α-[(3-(4-chlorophenyl)-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA
INDEX NAME)

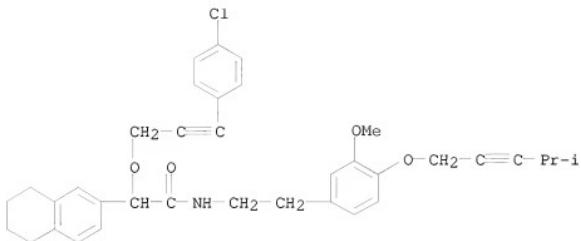


RN 1055218-12-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

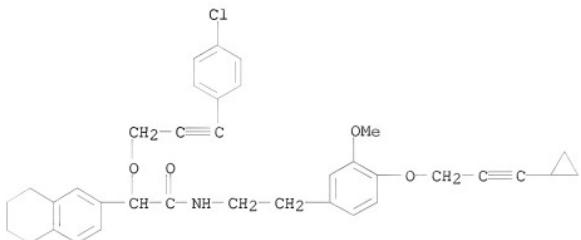


RN 1055218-13-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

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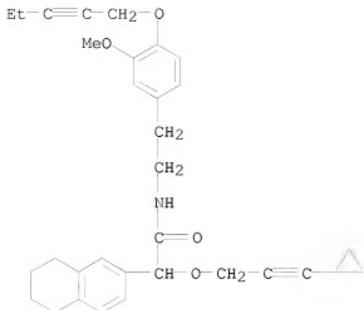


RN 1055218-14-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

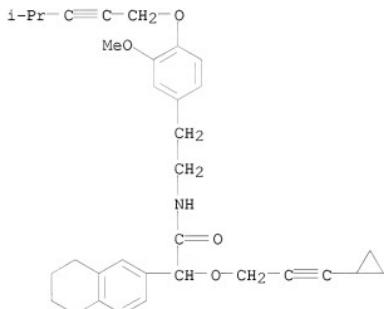


RN 1055219-85-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

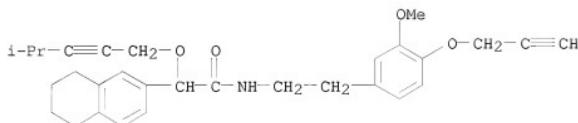
10/513699



RN 1055219-86-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



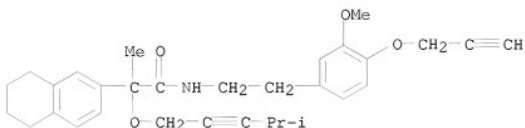
RN 1055220-19-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



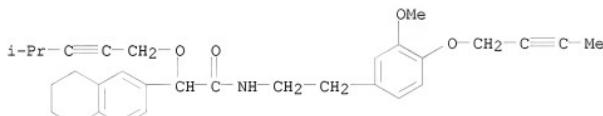
RN 1055220-20-6 CAPLUS

10/513699

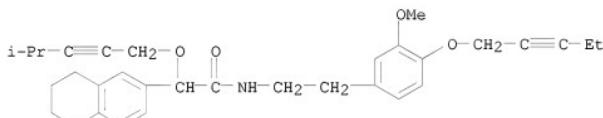
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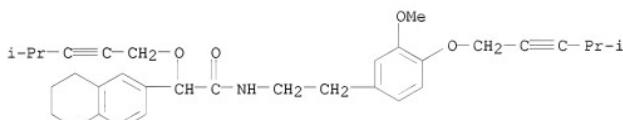
RN 1055220-21-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



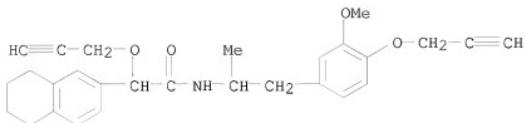
RN 1055220-22-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



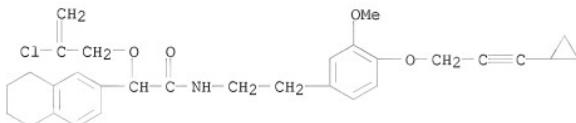
RN 1055220-23-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



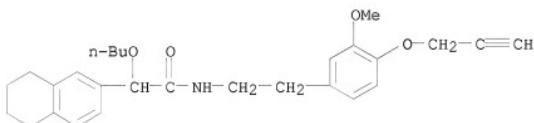
RN 1055221-97-0 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)phenyl]-1-methylethyl]- α -(2-propynyl)- (CA INDEX NAME)



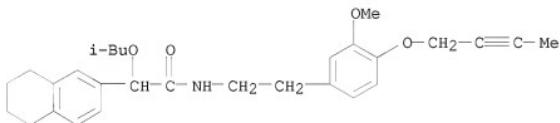
RN 1055222-32-6 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1055223-53-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl- (CA INDEX NAME)

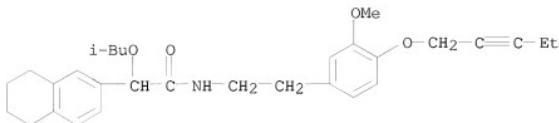


RN 1055224-57-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl)oxy]-3-methoxyphenyl]ethyl-5,6,7,8-tetrahydro- α -(2-methylpropoxy)- (CA INDEX NAME)

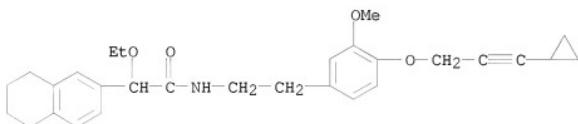


RN 1055224-58-2 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentynyl)phenyl)ethyl]- α -(2-methylpropoxy)- (CA INDEX NAME)

10/513699

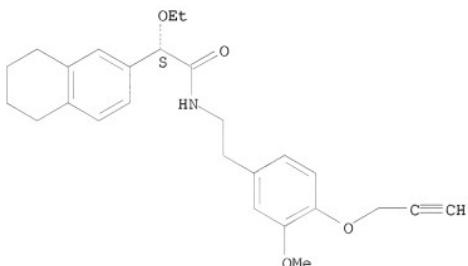


RN 1055225-51-8 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)

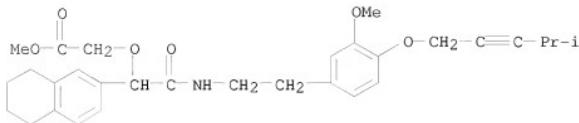


RN 1055226-07-7 CAPLUS
CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-, (α S)- (CA INDEX NAME)

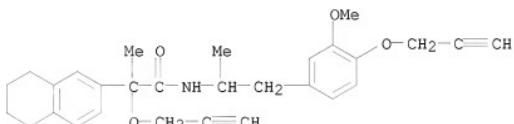
Absolute stereochemistry.



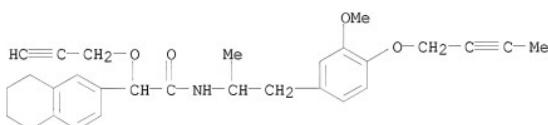
RN 1055226-57-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



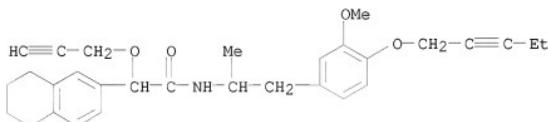
RN 1055228-55-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]-alpha-methyl-alpha-(2-propyn-1-yloxy)-
 (CA INDEX NAME)



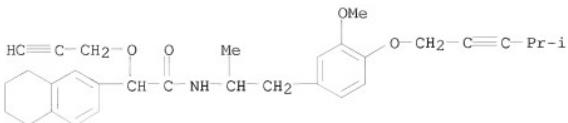
RN 1055228-56-2 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro-alpha-(2-propyn-1-yloxy)-
 (CA INDEX NAME)



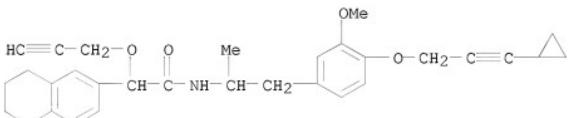
RN 1055228-57-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]-1-methylethyl]-alpha-(2-propyn-1-yloxy)-
 (CA INDEX NAME)



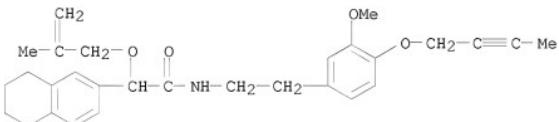
RN 1055228-58-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



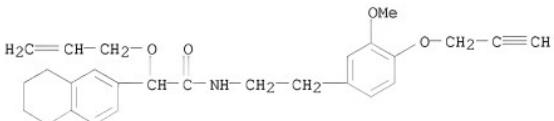
RN 1055228-59-5 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]-1-methylpropyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



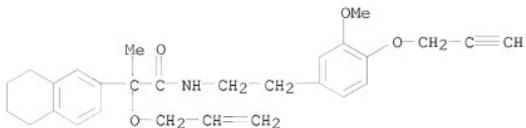
RN 1055229-27-0 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(2-butyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methyl-2-propen-1-yl)oxy- (CA INDEX NAME)



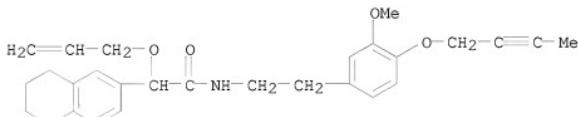
RN 1055230-40-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-yloxy)- (CA INDEX NAME)



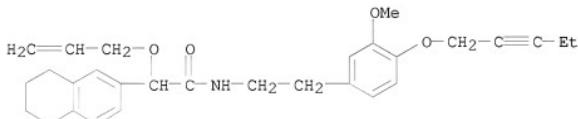
RN 1055230-41-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-propen-1-yloxy)- (CA INDEX NAME)



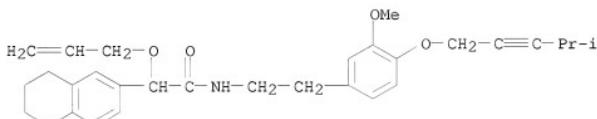
RN 1055230-42-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propen-1-yloxy)- (CA INDEX NAME)



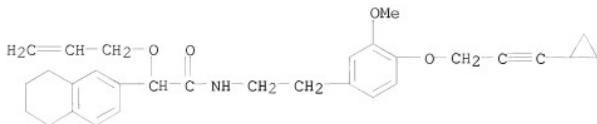
RN 1055230-43-7 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-yloxy)- (CA INDEX NAME)



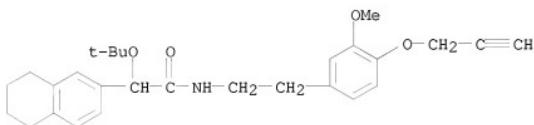
RN 1055230-44-8 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



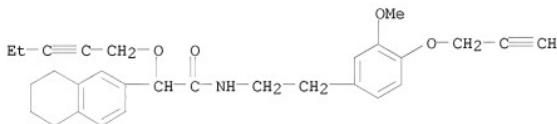
RN 1055230-47-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propen-1-yloxy)- (CA INDEX NAME)



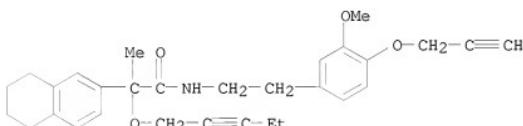
RN 1055230-72-2 CAPLUS
 CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055230-99-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)-1-yloxy)phenyl]ethyl]- α -(2-pentynyl)- (CA INDEX NAME)

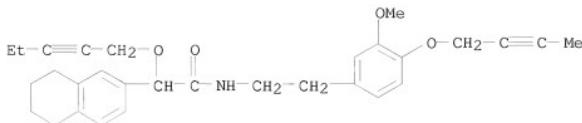


RN 1055231-00-9 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-pentynyl)- (CA INDEX NAME)

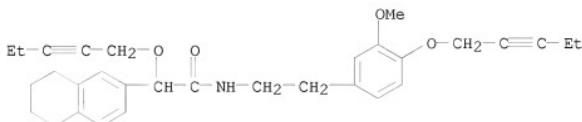


RN 1055231-01-0 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-pentynyl)- (CA INDEX NAME)

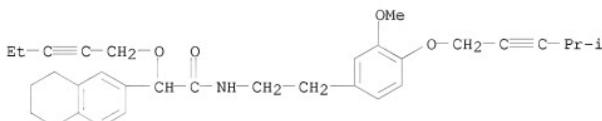
10/513699



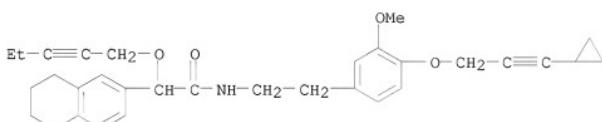
RN 1055231-02-1 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



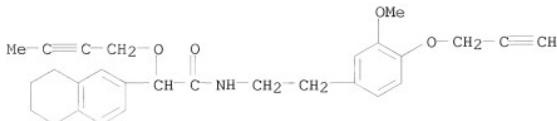
RN 1055231-03-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



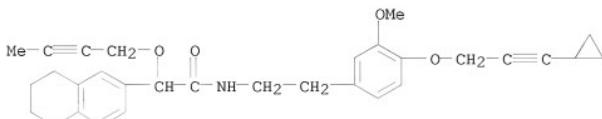
RN 1055231-04-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



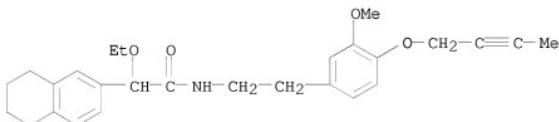
RN 1055232-70-6 CAPLUS
CN 2-Naphthaleneacetamide, *α*-(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



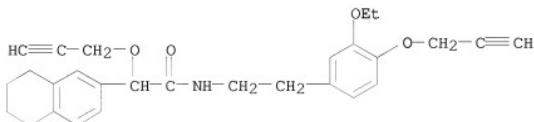
RN 1055232-71-7 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-N-[2-[4-[(3-cyclopropyl-5-propynyl)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



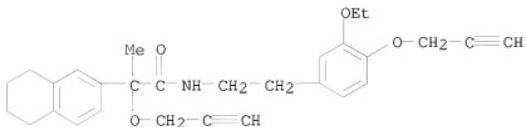
RN 1055236-78-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(4-(2-butyn-1-yloxy)-3-methoxyphenyl)ethyl]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



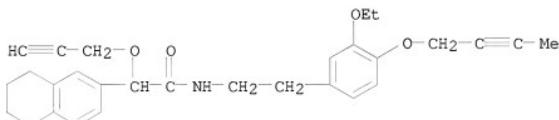
RN 1055238-63-5 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propynyl)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propynyl)- (CA INDEX NAME)



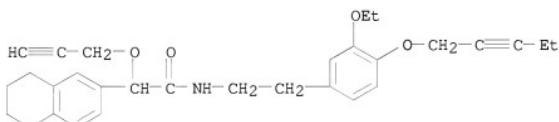
RN 1055238-64-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propynyl)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -methyl- α -(2-propynyl)- (CA INDEX NAME)



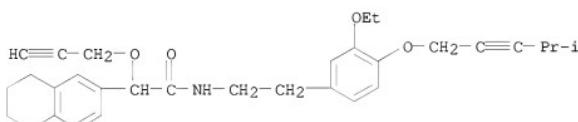
RN 1055238-65-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055238-66-8 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(3-ethoxy-4-(2-pentynyl-1-yloxy)phenyl)ethyl]-5,6,7,8-tetrahydro- α -(2-propynyl-1-yloxy)- (CA INDEX NAME)

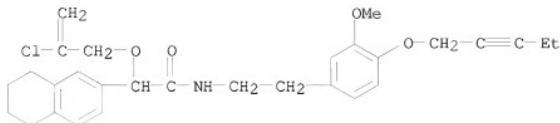


RN 1055238-67-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

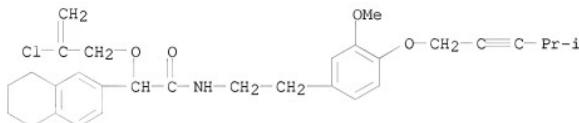


RN 1055240-59-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

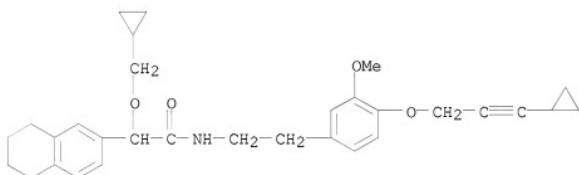
10/513699



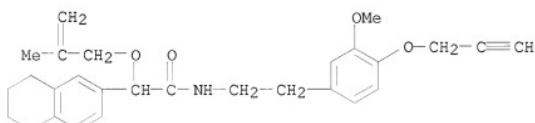
RN 1055240-60-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055242-23-3 CAPLUS
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-(CA INDEX NAME)



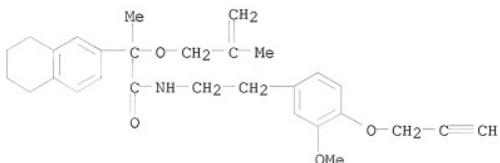
RN 1055243-85-0 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -[(2-methyl-2-propen-1-yl)oxy]-(CA INDEX NAME)



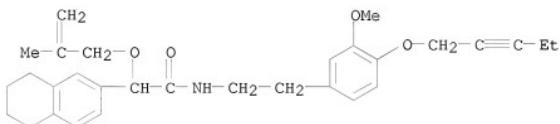
RN 1055243-86-1 CAPLUS

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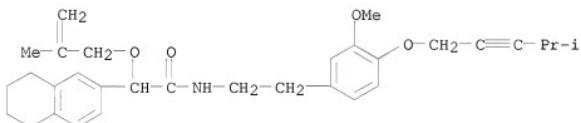
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -[(2-methyl-2-propen-1-yl)oxy]-(CA INDEX NAME)



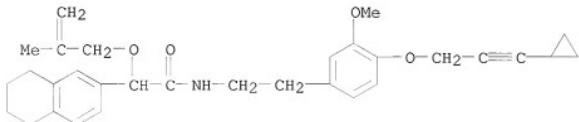
RN 1055243-87-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055243-88-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



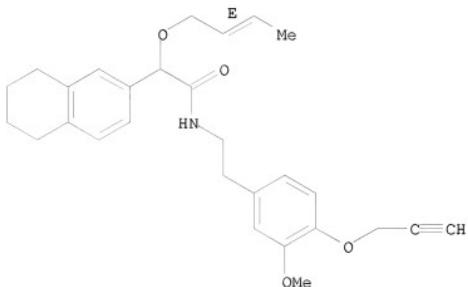
RN 1055243-89-4 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -[(2-methyl-2-propen-1-yl)oxy]-(CA INDEX NAME)



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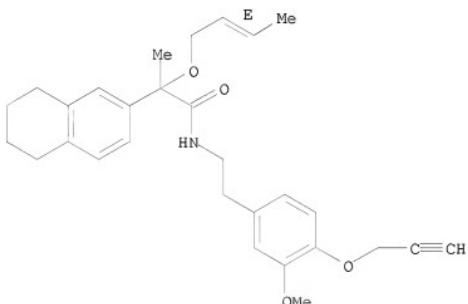
RN 1055244-11-5 CAPLUS
CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

Double bond geometry as shown.



RN 1055244-12-6 CAPLUS
CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

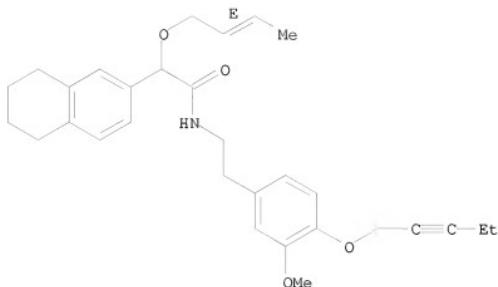
Double bond geometry as shown.



RN 1055244-13-7 CAPLUS
CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

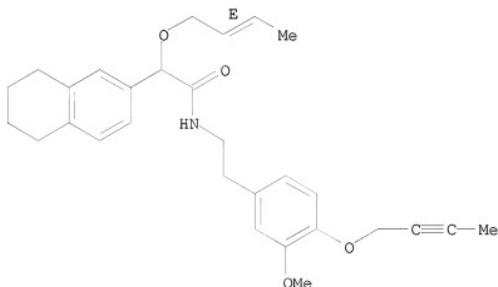
10/513699



RN 1055244-14-8 CAPLUS

CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

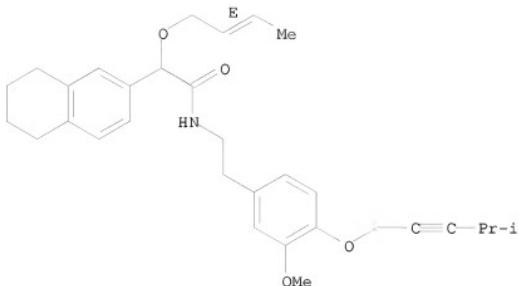
Double bond geometry as shown.



RN 1055244-15-9 CAPLUS

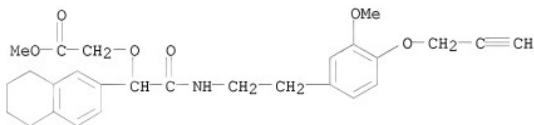
CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.



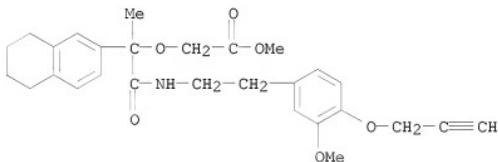
RN 1055247-12-5 CAPLUS

CN Acetic acid, 2-[2-[(2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



RN 1055247-15-8 CAPLUS

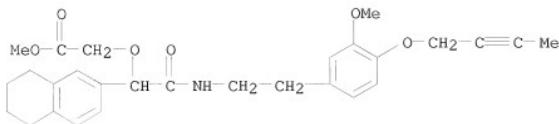
CN Acetic acid, 2-[2-[(2-[(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl)amino]-1-methyl-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



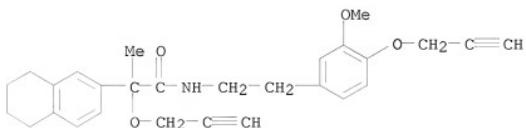
RN 1055247-16-9 CAPLUS

CN Acetic acid, 2-[2-[(2-[(4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl)amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)

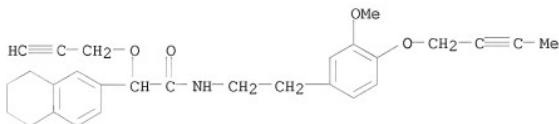
10/513699



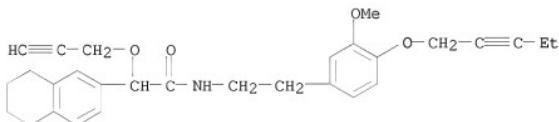
RN 1055249-28-9 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



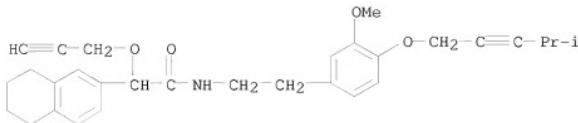
RN 1055249-29-0 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



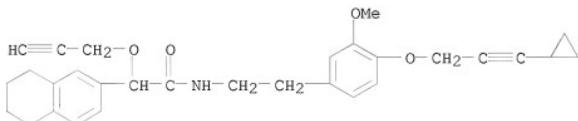
RN 1055249-30-3 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]-α-(2-propyn-1-yloxy)- (CA INDEX NAME)



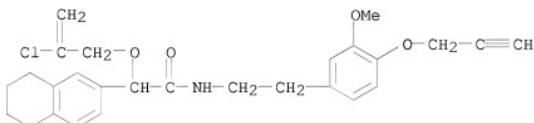
RN 1055249-33-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



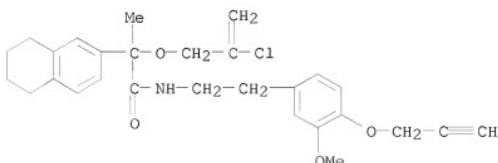
RN 1055249-34-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-{4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl}ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055250-39-9 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

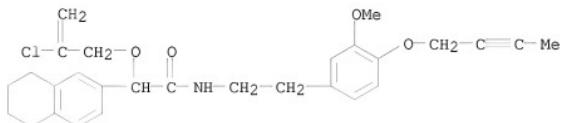


RN 1055250-41-3 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

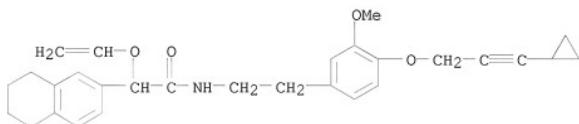


10/513699

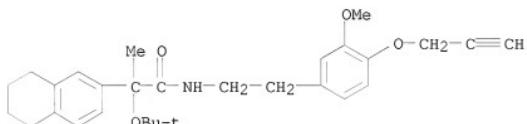
RN 1055250-45-7 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



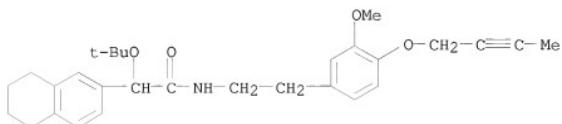
RN 1055253-12-7 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -(ethenyl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055254-60-8 CAPLUS
CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

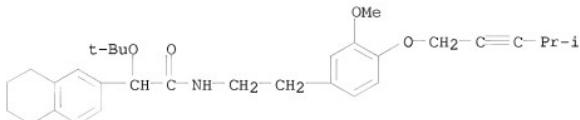


RN 1055254-61-9 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

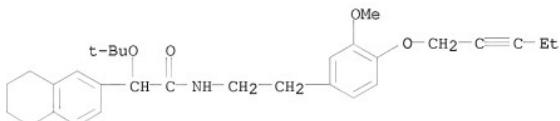


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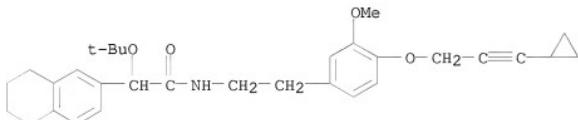
RN 1055254-62-0 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



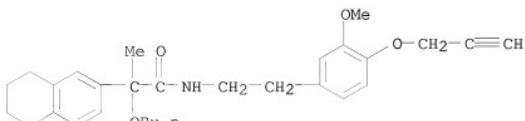
RN 1055254-63-1 CAPLUS
CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyln-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055254-64-2 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

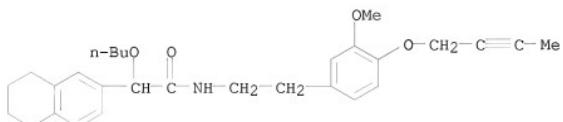


RN 1055255-69-0 CAPLUS
CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

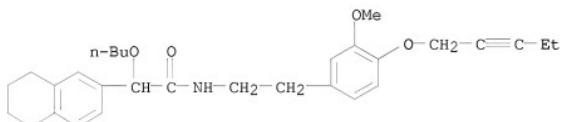


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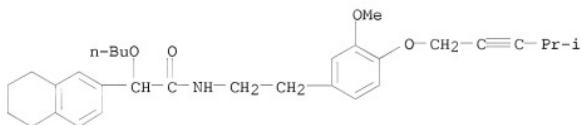
RN 1055255-70-3 CAPLUS
CN 2-Naphthaleneacetamide, α -butoxy-N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



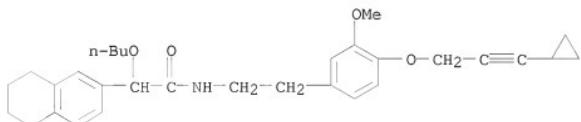
RN 1055255-71-4 CAPLUS
CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055255-72-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055255-73-6 CAPLUS
CN 2-Naphthaleneacetamide, α -butoxy-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

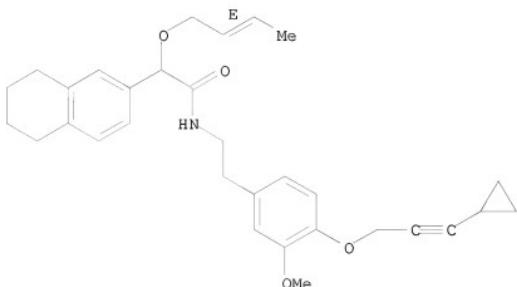


RN 1055256-73-9 CAPLUS
CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-N-[2-[4-[(3-

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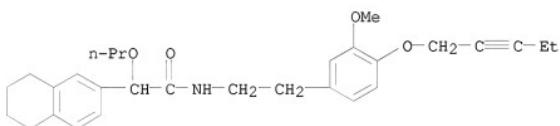
cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-
(CA INDEX NAME)

Double bond geometry as shown.



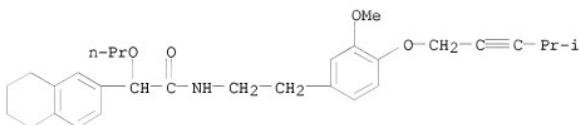
RN 1055258-31-5 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -propanoate (CA INDEX NAME)



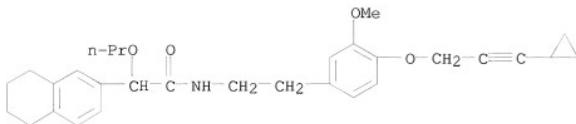
RN 1055258-32-6 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

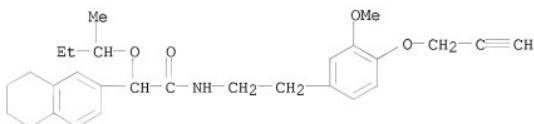


RN 1055258-33-7 CAPLUS

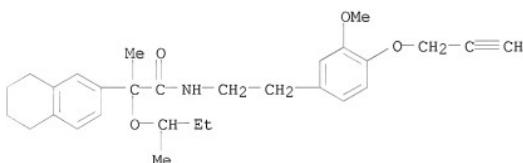
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -propanoate (CA INDEX NAME)



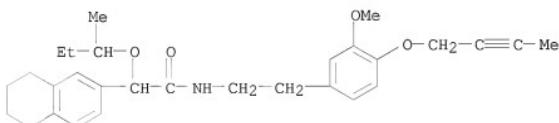
RN 1055261-20-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl]-alpha-(1-methylpropoxymethyl)- (CA INDEX NAME)



RN 1055261-21-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl]-alpha-methyl-alpha-(1-methylpropoxymethyl)- (CA INDEX NAME)



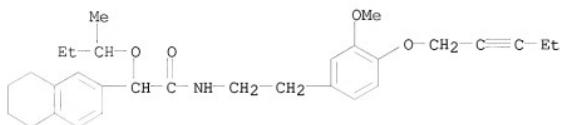
RN 1055261-22-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl)oxy]phenyl]ethyl]-5,6,7,8-tetrahydro-alpha-(1-methylpropoxymethyl)- (CA INDEX NAME)



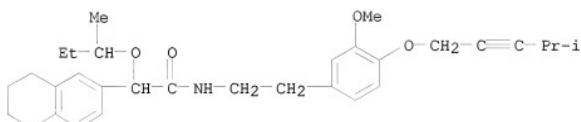
RN 1055261-23-8 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentynyl)oxy]phenyl]ethyl]-alpha-(1-methylpropoxymethyl)-

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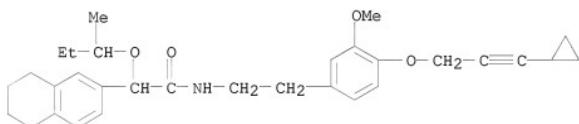
yloxy)phenyl]ethyl]- α -(1-methylpropoxy)- (CA INDEX NAME)



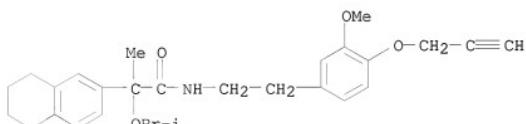
RN 1055261-24-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055261-25-0 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylpropoxy)- (CA INDEX NAME)



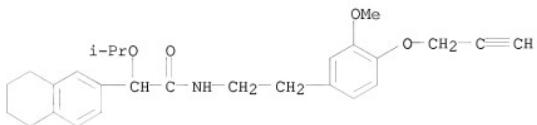
RN 1055262-68-4 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(1-methylethoxy)- (CA INDEX NAME)



RN 1055262-70-8 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-

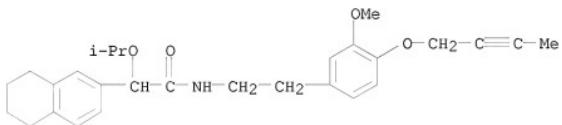
10/513699

yloxy)phenyl]ethyl]- α -(1-methylethoxy)- (CA INDEX NAME)



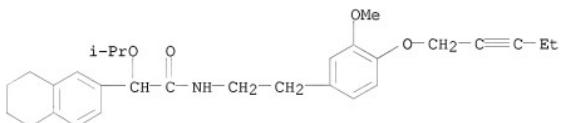
RN 1055262-73-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylethoxy)- (CA INDEX NAME)



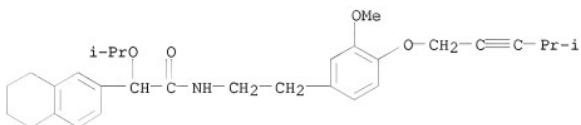
RN 1055262-75-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(1-methylethoxy)- (CA INDEX NAME)



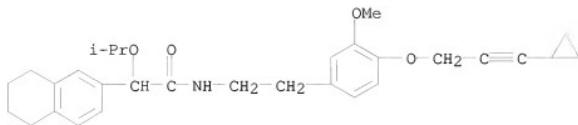
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CN INDEX NAME NOT YET ASSIGNED

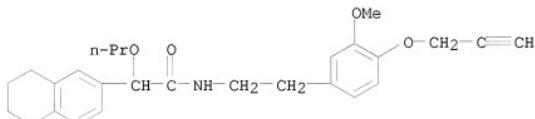


RN 1055262-78-6 CAPLUS

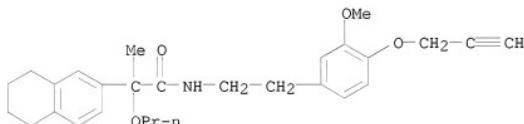
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxyl]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylethoxy)- (CA INDEX NAME)



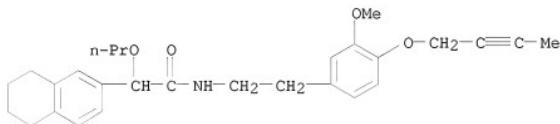
RN 1055264-42-0 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -propoxy- (CA INDEX NAME)



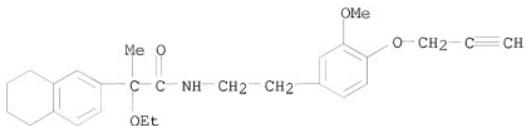
RN 1055264-43-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methoxy- (CA INDEX NAME)



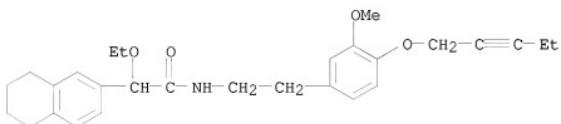
RN 1055264-45-3 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -propoxy- (CA INDEX NAME)



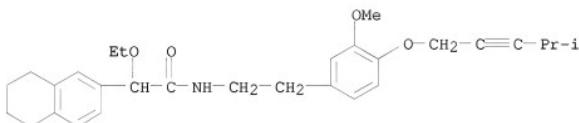
RN 1055267-02-1 CAPLUS
 CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



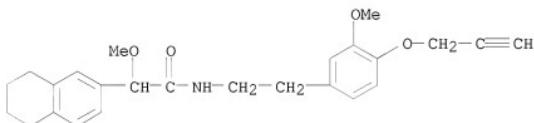
RN 1055267-05-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -ethoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



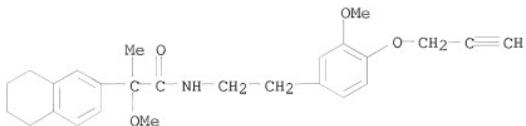
RN 1055267-06-5 CAPLUS
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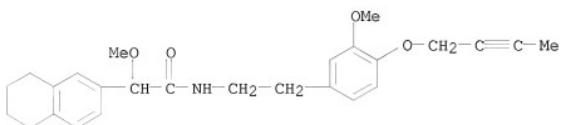
RN 1055270-60-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



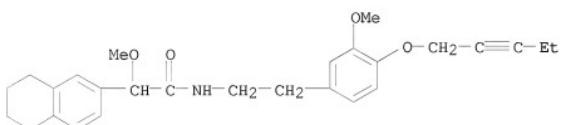
RN 1055270-61-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



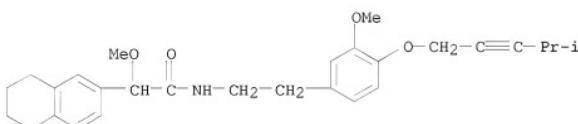
RN 1055270-62-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



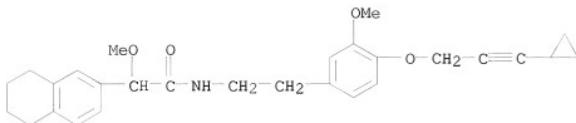
RN 1055270-63-7 CAPLUS
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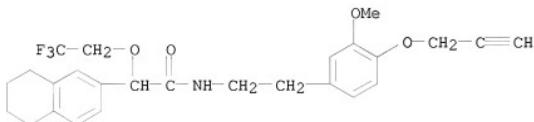
RN 1055270-64-8 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



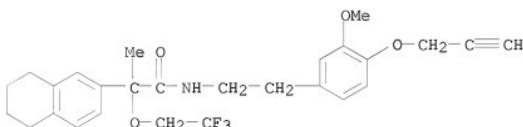
RN 1055270-65-9 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



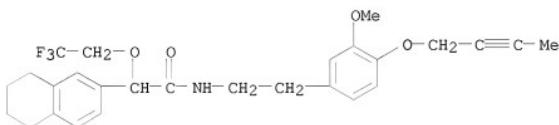
RN 1055271-92-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



RN 1055271-93-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

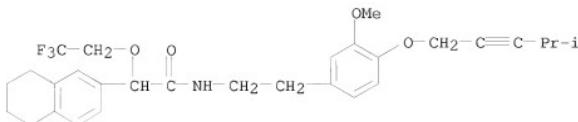


RN 1055271-94-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



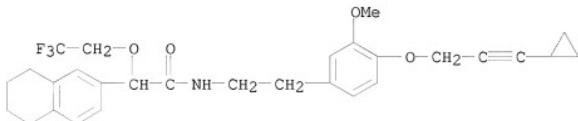
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RN 1055271-98-1 CAPLUS

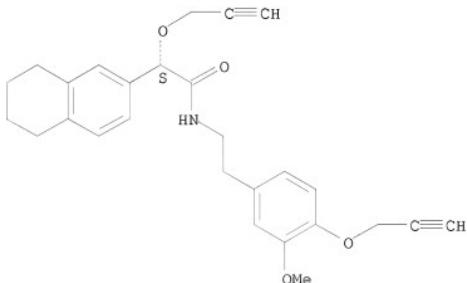
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-a-(2,2,2-trifluoroethoxy)-(CA INDEX NAME)



RN 1055272-25-7 CAPLUS

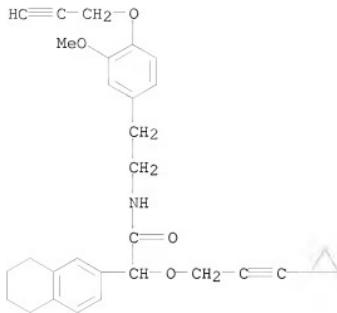
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-a-(2-propyn-1-yloxy)-, (αS)- (CA INDEX NAME)

Absolute stereochemistry.



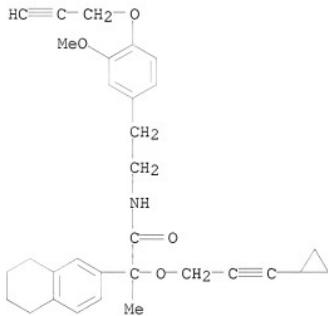
RN 1055273-51-2 CAPLUS

CN 2-Naphthaleneacetamide, a-[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)



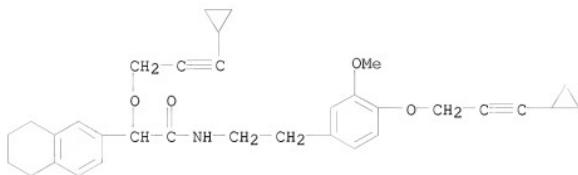
RN 1055273-52-3 CAPLUS

CN 2-Naphthaleneacetamide, α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- (CA INDEX NAME)

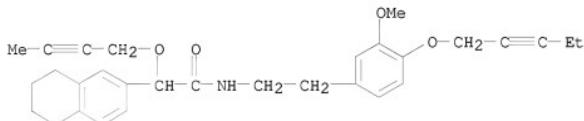


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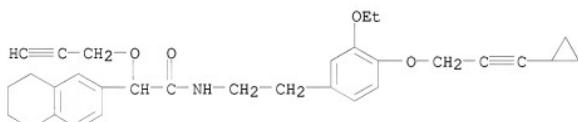
CN 2-Naphthaleneacetamide, α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055274-16-2 CAPLUS

CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055275-96-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)

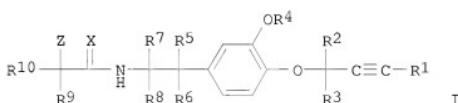
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:793595 CAPLUS
 DOCUMENT NUMBER: 137:310703
 TITLE: Preparation of novel N-propargyloxyphenethyl thioacetamides as agrochemical fungicides
 INVENTOR(S): Kunz, Walter; Lamberth, Clemens; Cederbaum, Fredrik;
 Zeller, Martin
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081437	A2	20021017	WO 2002-EP3623	20020402 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2443131	A1	20021017	CA 2002-2443131	20020402 <--
CA 2443131	C	20090804		
AU 2002316827	A1	20021021	AU 2002-316827	20020402 <--
EP 1373197	A2	20040102	EP 2002-745203	20020402 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002008560	A	20040302	BR 2002-8560	20020402 <--
CN 1514826	A	20040721	CN 2002-807705	20020402 <--
JP 2004526751	T	20040902	JP 2002-579425	20020402 <--
JP 4080891	B2	20080423		
US 20040127739	A1	20040701	US 2003-472577	20030923 <--
US 7105545	B2	20060912		
IN 2003CN01555	A	20051125	IN 2003-CN1555	20031001
MX 2003009091	A	20040212	MX 2003-9091	20031003 <--
PRIORITY APPLN. INFO.:			GB 2001-8339	A 20010403
			WO 2002-EP3623	W 20020402

OTHER SOURCE(S): MARPAT 137:310703
 GI



AB The title compds. [I; R1 = H, alkyl, cycloalkyl, (un)substituted aryl; R2,

R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5-R8 = H, alkyl; R9 = H, alkyl, alkenyl, alkynyl; R10 = (un)substituted aryl, heteroaryl; Z = OH, (un)substituted aryloxy, (un)substituted alkoxy, etc.; X = S] which possess useful plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi, were prepared. Thus, reacting I [R1-R3 = H; R4 = Me; R5-R9 = H; R10 = 4-ClC₆H₄; Z = OCH₂C.tpbond.CH; X = O] (preparation given starting from 4-(2-aminoethyl)-2-methoxyphenol.HCl) with Lawesson's reagent afforded I [R1-R3 = H; R4 = Me; R5-R9 = H; R10 = 4-ClC₆H₄; Z = OCH₂C.tpbond.CH; X = S] which inhibited fungal infestations by 80-100% at 200 ppm in tests against *Plasmopara viticola* on vines, *Phytophthora* on tomato plants, and *Phytophthora* on potato plants.

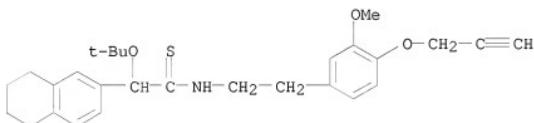
IT	1106115-37-0	1106117-04-7	1106118-72-2
	1106119-83-8	1106121-49-6	1106123-14-1
	1106125-88-5	1106127-45-0	1106129-12-7
	1106130-24-8	1106131-88-7	1106133-55-4
	1106140-59-3	1106142-26-0	1106143-93-4
	1106145-05-4	1106146-72-8	1106148-39-3
	1106151-18-1	1106152-85-5	1106154-52-2
	1106155-64-9	1106157-31-6	1106158-98-8
	1106166-02-2	1106167-69-4	1106169-36-1
	1106170-48-2	1106172-14-8	1106173-78-7
	1106175-32-9	1106176-99-1	1106178-63-5
	1106180-29-3	1106182-20-0	1106183-87-2
	1106185-54-9	1106192-49-7	1106194-10-8
	1106195-76-9		

RL: PRPH (Prophetic)

(Preparation of novel N-propargyloxyphenethyl thioacetamides as agrochemical fungicides)

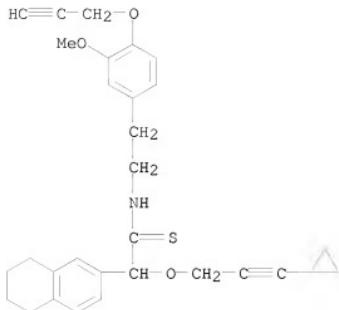
RN 1106115-37-0 CAPLUS

CN 2-Naphthaleneethanethioamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



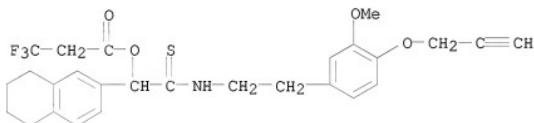
RN 1106117-04-7 CAPLUS

CN 2-Naphthaleneethanethioamide, α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

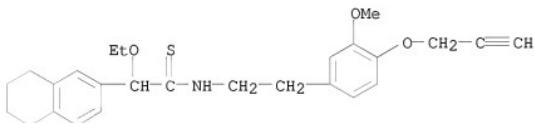


RN 1106118-72-2 CAPLUS

CN Propanoic acid, 3,3,3-trifluoro-, 2-[{2-[3-methoxy-4-(2-propynyl)oxy]phenyl}ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl ester (CA INDEX NAME)

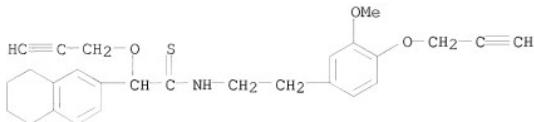


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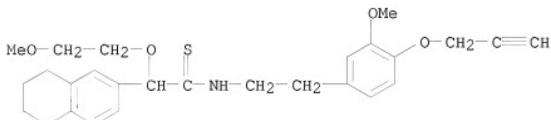
CN 2-Naphthaleneethanethiocamide, α -ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl- (CA INDEX NAME)

RN 1106121-49-6 CAPLUS

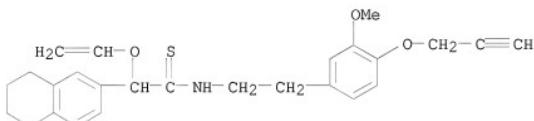
CN 2-Naphthaleneethanethiocamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]ethyl- α -(2-propynyl)- (CA INDEX NAME)



RN 1106123-14-1 CAPLUS

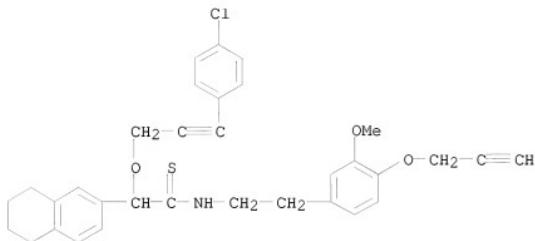
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro- α -(2-methoxyethoxy)-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106125-88-5 CAPLUS

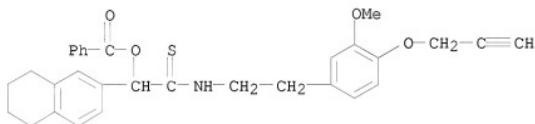
CN 2-Naphthaleneethanethioamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106127-45-0 CAPLUS

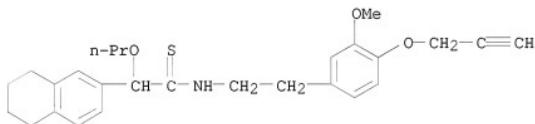
CN 2-Naphthaleneethanethioamide, α -[(3-(4-chlorophenyl)-2-propyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



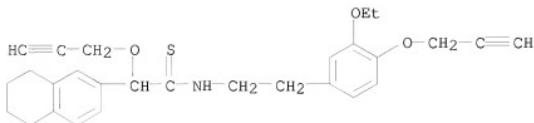
RN 1106129-12-7 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -(benzoyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



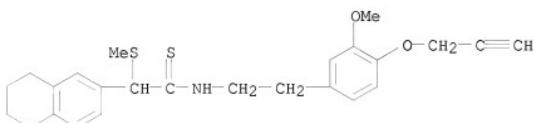
RN 1106130-24-8 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -propoxy- (CA INDEX NAME)



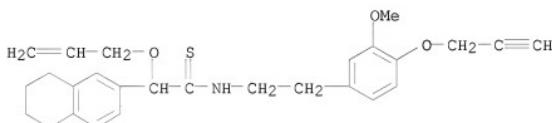
RN 1106131-88-7 CAPLUS
 CN 2-Naphthaleneethanethioamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



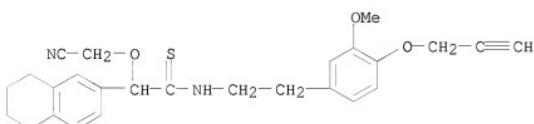
RN 1106133-55-4 CAPLUS
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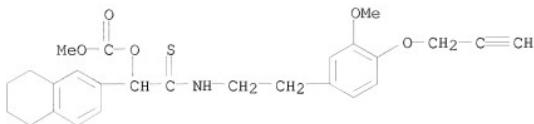
RN 1106140-59-3 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-yloxy)- (CA INDEX NAME)



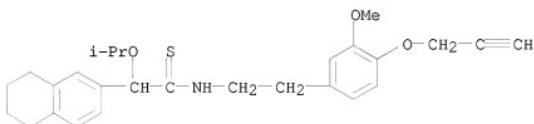
RN 1106142-26-0 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



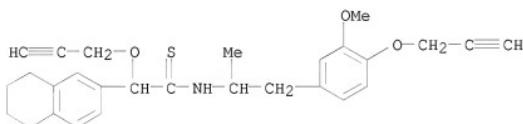
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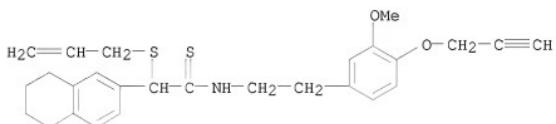
RN 1106145-05-4 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(1-methylethoxy)- (CA INDEX NAME)



RN 1106146-72-8 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



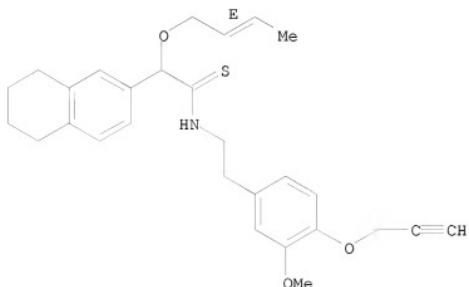
RN 1106148-39-3 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-ylthio)- (CA INDEX NAME)



RN 1106151-18-1 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

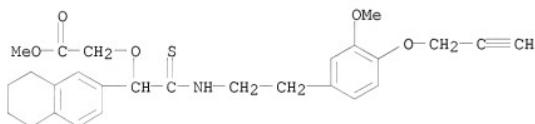
10/513699

Double bond geometry as shown.



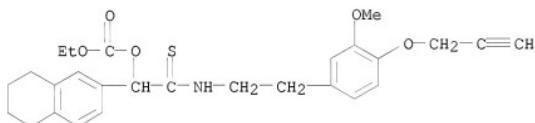
RN 1106152-85-5 CAPLUS

CN Acetic acid, 2-[2-[2-[3-methoxy-4-(2-propynyl)phenyl]ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethoxy-, methyl ester (CA INDEX NAME)



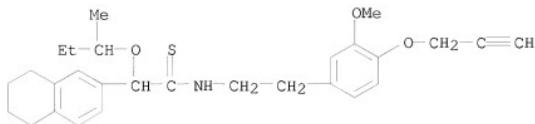
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CN INDEX NAME NOT YET ASSIGNED

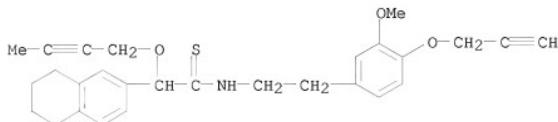


RN 1106155-64-9 CAPLUS

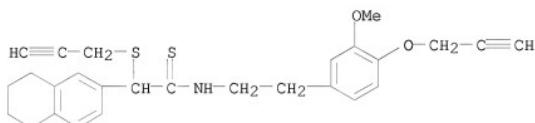
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)phenyl]ethyl]- α -(1-methylpropoxy)- (CA INDEX NAME)



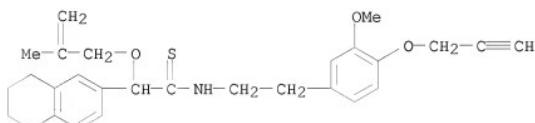
RN 1106157-31-6 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -(2-butynyl-1-yloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



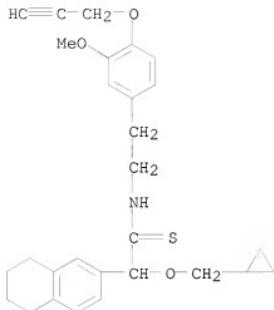
RN 1106158-98-8 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- α -(2-propynyl-1-thio)- (CA INDEX NAME)



RN 1106166-02-2 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- α -[(2-methyl-2-propenyl-1-yloxy)- (CA INDEX NAME)

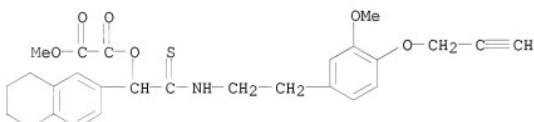


RN 1106167-69-4 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

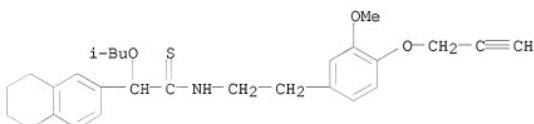


RN 1106169-36-1 CAPLUS

CN Ethanedioic acid, 1-[2-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl] 2-methyl ester (CA INDEX NAME)

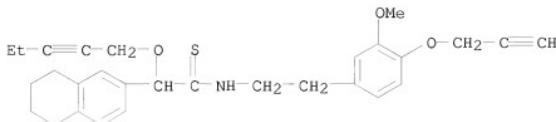


RN 1106170-48-2 CAPLUS

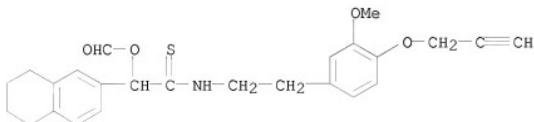
CN 2-Naphthaleneethanethiocamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-methylpropoxy)- (CA INDEX NAME)

RN 1106172-14-8 CAPLUS

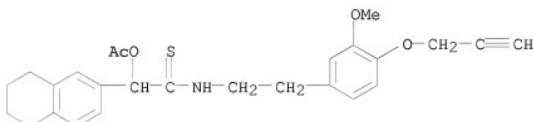
CN 2-Naphthaleneethanethiocamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-pentyn-1-yloxy)- (CA INDEX NAME)



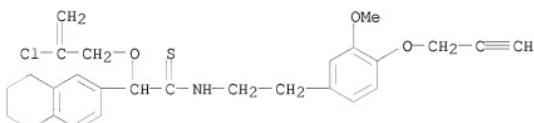
RN 1106173-78-7 CAPLUS

CN 2-Naphthaleneethanethioamide, α -(formyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106175-32-9 CAPLUS

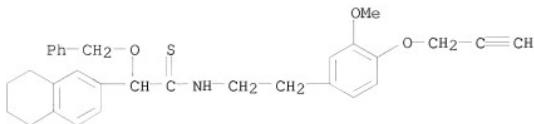
CN 2-Naphthaleneethanethioamide, α -(acetyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1106176-99-1 CAPLUS

CN 2-Naphthaleneethanethioamide, α -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

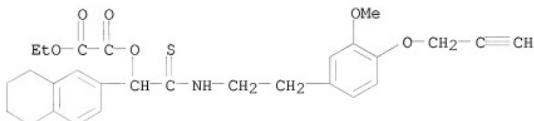
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CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(phenylmethoxy)- (CA INDEX NAME)

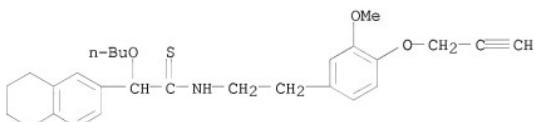


RN 1106180-29-3 CAPLUS

CN Ethanedioic acid, 1-ethyl 2-[2-[(2-[3-methoxy-4-(2-propynyl)oxy]phenyl)ethyl]amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-2-thioxoethyl ester (CA INDEX NAME)

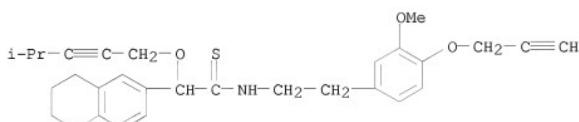


RN 1106182-20-0 CAPLUS

CN 2-Naphthaleneethanethioamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl- (CA INDEX NAME)

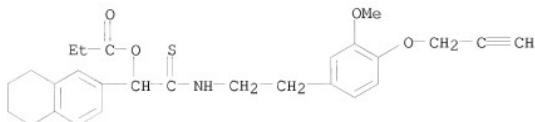
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CN INDEX NAME NOT YET ASSIGNED

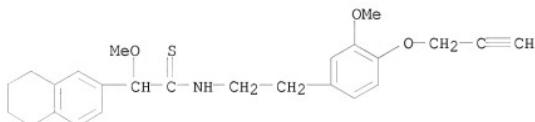


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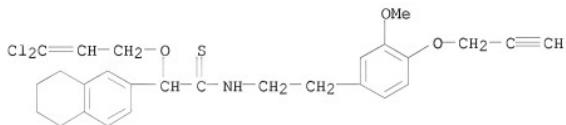
CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl-alpha-(1-oxopropoxy)- (CA INDEX NAME)



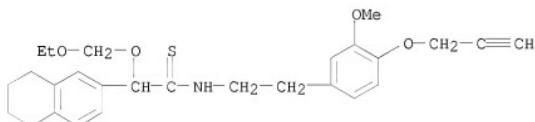
RN 1106192-49-7 CAPLUS
 CN 2-Naphthaleneethanethioamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1106194-10-8 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -[(3,3-dichloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1106195-76-9 CAPLUS
 CN 2-Naphthaleneethanethioamide, α -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



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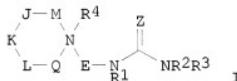
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THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:937747 CAPLUS
 DOCUMENT NUMBER: 136:410929
 TITLE: Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.
 INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B.; Wacker, Dean A.; Yao, Wenqing
 PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA; Bristol-Myers Squibb Pharmaceutical Co.
 SOURCE: PCT Int. Appl., 446 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001098269 A2	-----	20011227/WO 2001-XII19745	20010620	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR				
PRIORITY APPLN. INFO.:		US 2000-213051P	20000621	
		US 2000-598821		20000621

GI



AB [Title compds. I; M = CH₂, CHR₅, CHR₁₃, CR₁₃R₁₃, CR₅R₁₃; J, L = CH₂, CHR₅, CHR₆, CR₆R₆, CR₅R₆; Z = O, S; M = CH₂, CHR₅, CHR₁₃, CR₁₃R₁₃, CR₅R₁₃; K = CHR₅, CR₅R₆; Z = O, S; E = (CHR₇)(CHR₉)v(CR₁₁R₁₂); R₁, R₂ = H, alkyl, alkenyl, alkynyl, (substituted) alkylcycloalkyl; R₂R₃ = atoms to form a (substituted) 5-7 membered ring; R₃, R₅ = (substituted) (alkyl)cycloalkyl, (alkyl)heterocyclyl; R₄ = null, O, alkyl, alkenyl, alkynyl, etc.; R₄ with R₇, R₉, or R₁₁ = atoms to form a 5-7 membered ring; R^v, R⁹ = H; R₄R₇, R₄R₉ = (substituted) spirocyclyl; R₁₃ = alkyl, alkenyl, alkynyl, cycloalkyl, etc.; R₁₁R₁₂ = pyrrolidinyl, tetrahydropuryl, piperidinyl, tetrahydropyranyl; v = 1, 2], were prepared as modulators of chemokine activity (no data). Thus, 4-benzyl-1-(3-aminopropyl)piperidine (preparation given) in THF was treated with 3-cyanophenyl isocyanate to give N-(3-cyanophenyl)-N'-(3-[4-(phenylmethyl)-1-piperidinyl]propyl)urea. [This abstract record is one of 15 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]

IT 1084141-39-8

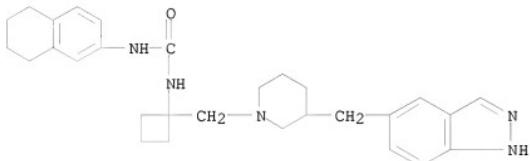
RL: PRPH (Prophetic)

10/513699

(Preparation of ureidoalkylpiperidines as modulators of chemokine CCR3 receptor activity.)

RN 1084141-39-8 CAPLUS

CN Urea, N-[1-[3-(1H-indazol-5-ylmethyl)-1-piperidinyl]methyl]cyclobutyl]-N'-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



REFERENCE COUNT:

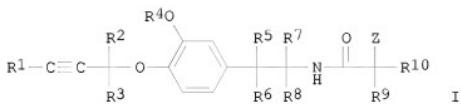
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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:851100 CAPLUS
 DOCUMENT NUMBER: 135:371520
 TITLE: Preparation of novel phenyl propargyl ethers as agrochemical fungicides
 INVENTOR(S): Lamberth, Clemens; Zeller, Martin; Kunz, Walter;
 Cederbaum, Fredrik
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 84 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001087822	A1	20011122	WO 2001-EP5530	20010515 <--
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ZA 2002009266	A	20031020	ZA 2002-9266	20021114 <--
US 6683211	B1	20040127	US 2002-276476	20021115 <--
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			WO 2001-EO5530	W 20010515
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 135:371520



AB The title compds. [I; R1 = H, alkyl, cycloalkyl, (un)substituted aryl; R2, R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5- R8 = H, alkyl; R9 = H, (un)substituted alkyl, alkenyl or alkynyl; R10 = (un)substituted (hetero)aryl; Z = halo, (un)substituted aryloxy, alkoxy, etc.] which possess useful plant protecting properties and may advantageously be employed in agricultural practice for controlling or preventing the infestation of plants by phytopathogenic microorganisms, especially fungi (biol.

data given), were prepared E.g., a multi-step synthesis of I [R1-R3 = H; R4 = Me; R5-R8 = H; R9 = H; R10 = 4-C1C6H4; Z = OMe] was given.

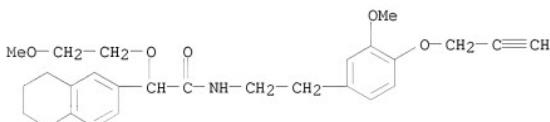
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RL: PRPH (Prophetic)

(Preparation of novel phenyl propargyl ethers as agrochemical fungicides)

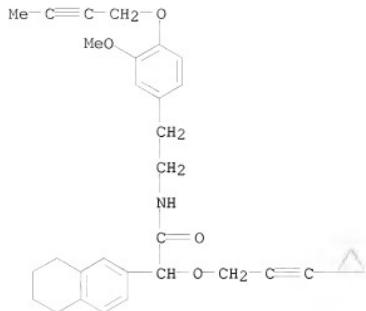
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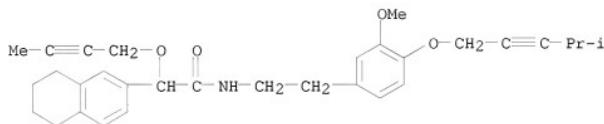
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CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5, 6, 7, 8-tetrahydro- (CA INDEX NAME)

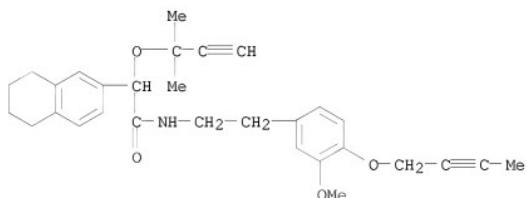
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RN 1055182-12-1 CAPLUS
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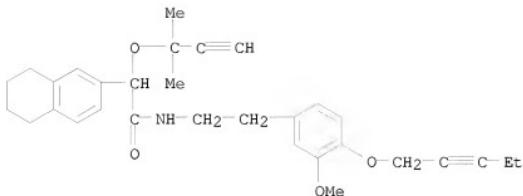


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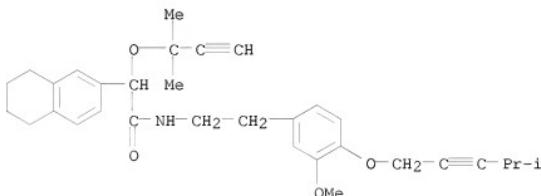


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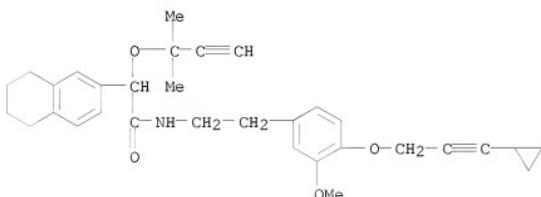
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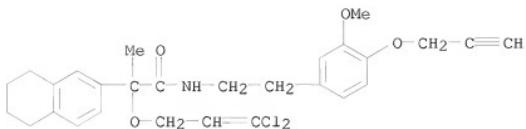
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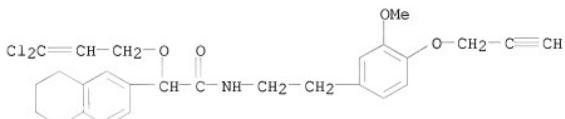
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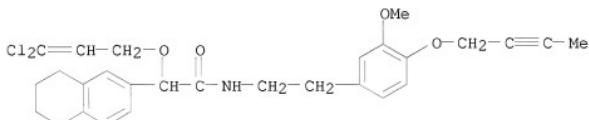
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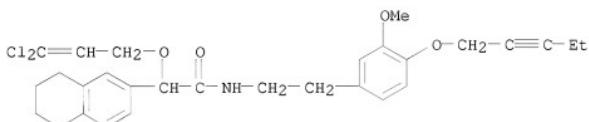
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RN 1055183-38-4 CAPLUS
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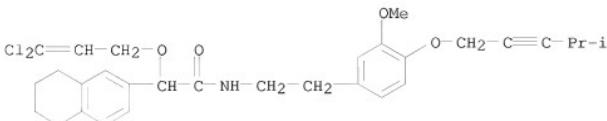


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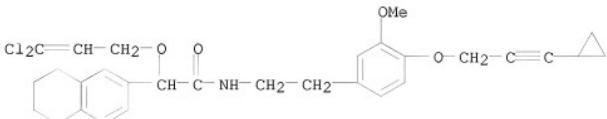


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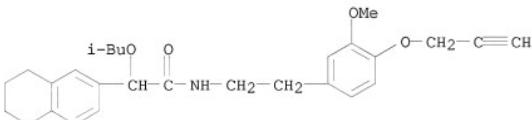
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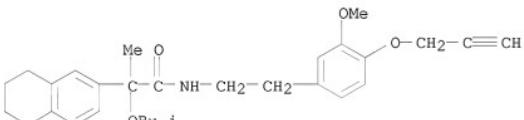
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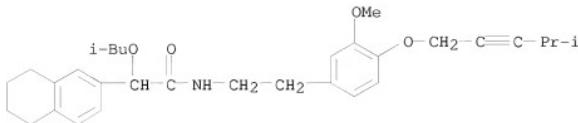
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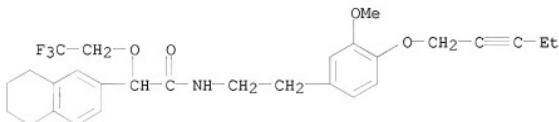
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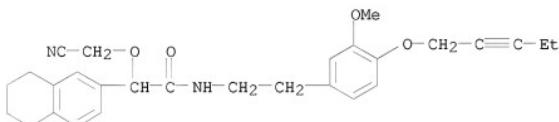
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CN INDEX NAME NOT YET ASSIGNED



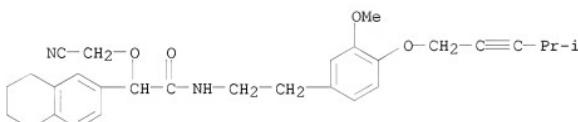
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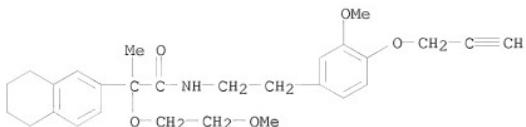
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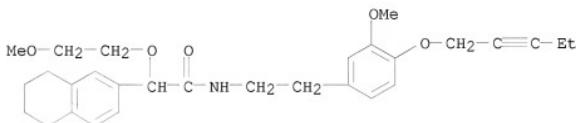
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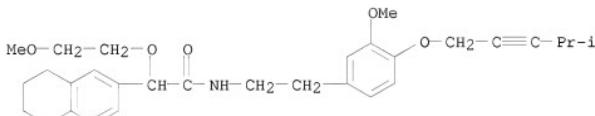
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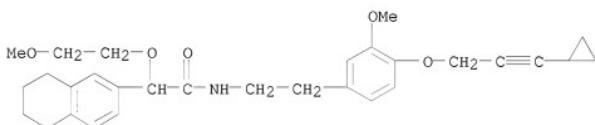
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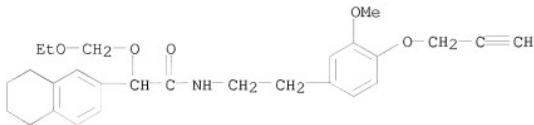
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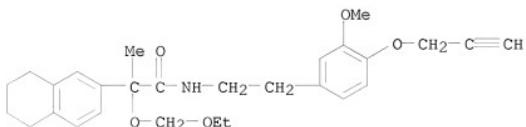
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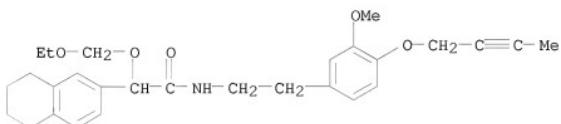
RN 1055199-07-9 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynylmethoxy)phenyl]ethyl]- (CA INDEX NAME)



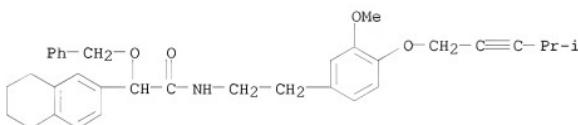
RN 1055199-08-0 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



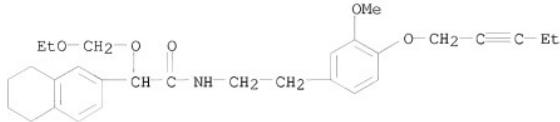
RN 1055199-09-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



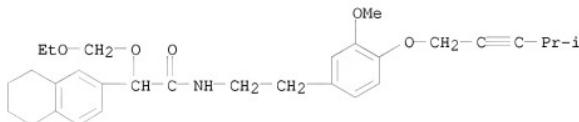
RN 1055203-51-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



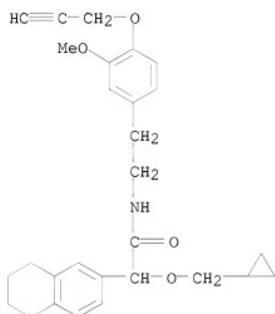
RN 1055203-63-8 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethoxymethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



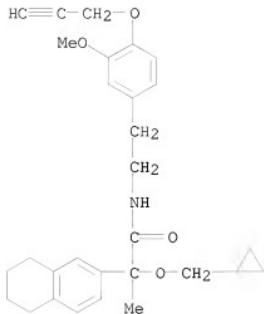
RN 1055203-64-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1055206-24-0 CAPLUS
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

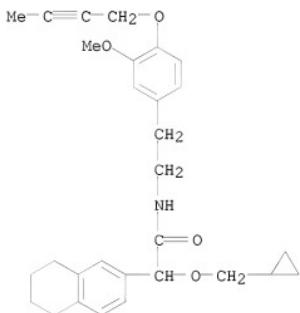


RN 1055206-25-1 CAPLUS
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- (CA INDEX NAME)



RN 1055206-26-2 CAPLUS

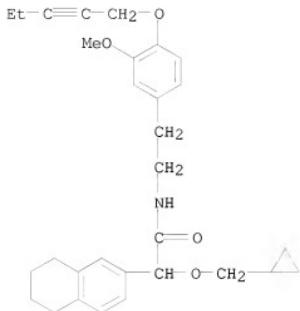
CN 2-Naphthaleneacetamide, N-[2-{4-(2-butyn-1-yloxy)-3-methoxyphenyl}ethyl]-
α-(cyclopropylmethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



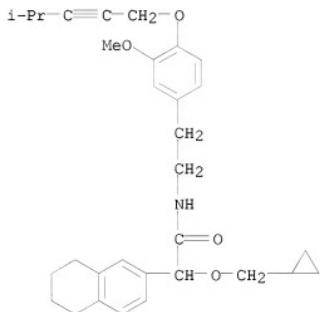
RN 1055206-27-3 CAPLUS

CN 2-Naphthaleneacetamide, α-(cyclopropylmethoxy)-5,6,7,8-tetrahydro-N-[2-{3-methoxy-4-(2-pentyn-1-yloxy)phenyl}ethyl]- (CA INDEX NAME)

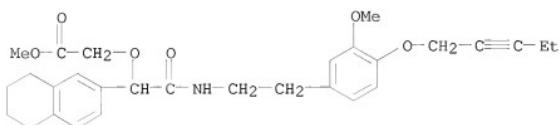
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RN 1055206-28-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



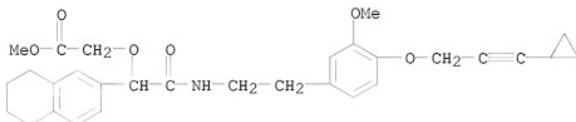
RN 1055207-50-5 CAPLUS
CN Acetic acid, 2-[2-[2-[3-methoxy-4-(2-pentynylmethoxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester (CA INDEX NAME)



10/513699

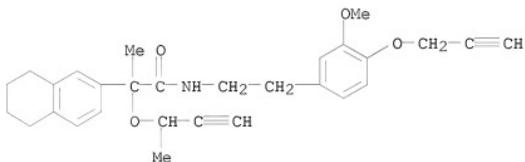
RN 1055207-51-6 CAPLUS

CN Acetic acid, 2-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy]-, methyl ester (CA INDEX NAME)



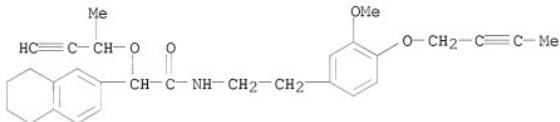
RN 1055208-05-3 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- α -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



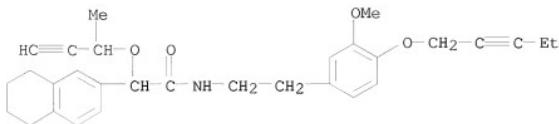
RN 1055208-06-4 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)

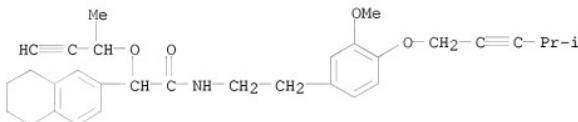


RN 1055208-07-5 CAPLUS

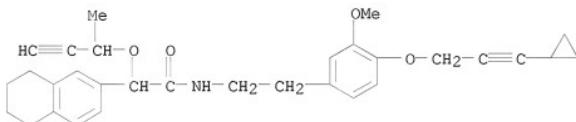
CN INDEX NAME NOT YET ASSIGNED



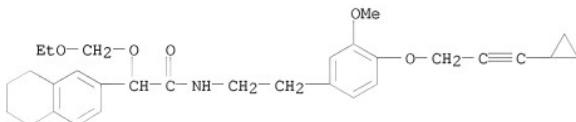
RN 1055208-08-6 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



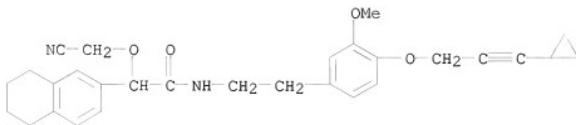
RN 1055208-09-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



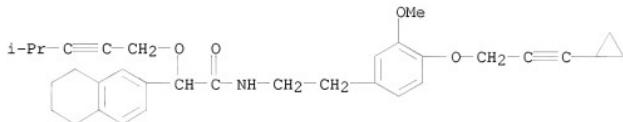
RN 1055208-72-4 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -(ethoxymethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



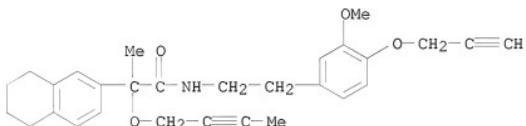
RN 1055209-45-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -(cyanomethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



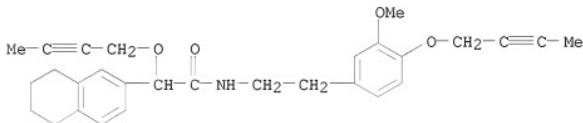
RN 1055210-27-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



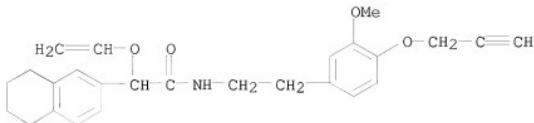
RN 1055214-37-3 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



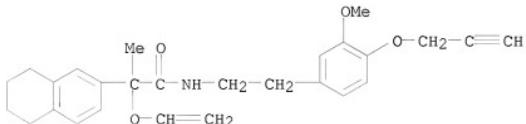
RN 1055214-38-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



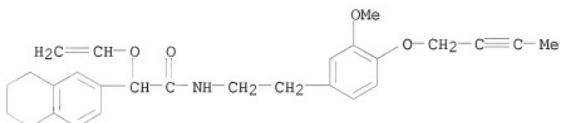
RN 1055215-71-8 CAPLUS
 CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



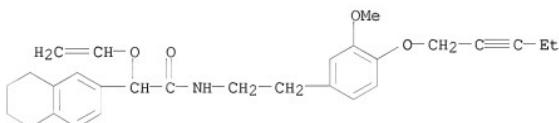
RN 1055215-72-9 CAPLUS

CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

RN 1055215-73-0 CAPLUS

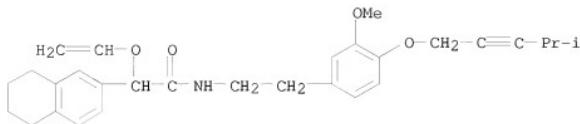
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl)oxy]-3-methoxyphenyl]ethyl]- α -(ethenyloxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055215-74-1 CAPLUS

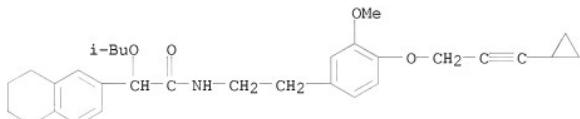
CN 2-Naphthaleneacetamide, α -(ethenyloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentynyl)oxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055215-75-2 CAPLUS

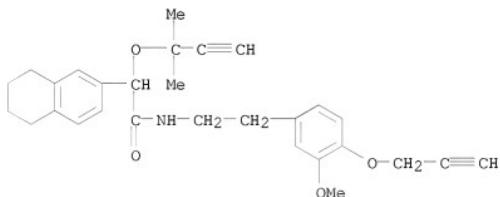
CN INDEX NAME NOT YET ASSIGNED



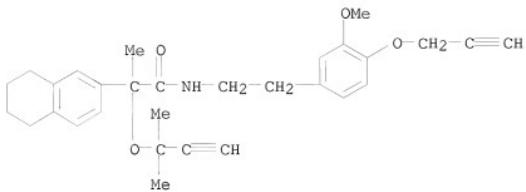
RN 1055216-06-2 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-{4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl}ethyl]-5,6,7,8-tetrahydro- α -(2-methylpropoxy)- (CA INDEX NAME)



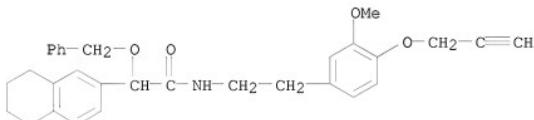
RN 1055216-39-1 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl- (CA INDEX NAME)



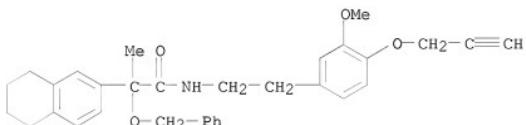
RN 1055216-40-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(1,1-dimethyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl- α -methyl- (CA INDEX NAME)



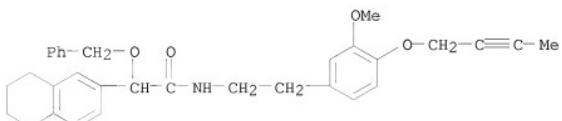
RN 1055216-75-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(phenylmethoxy)- (CA INDEX NAME)



RN 1055216-76-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(phenylmethoxy)- (CA INDEX NAME)

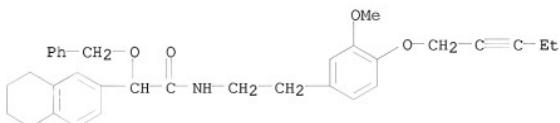


RN 1055216-77-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(phenylmethoxy)- (CA INDEX NAME)

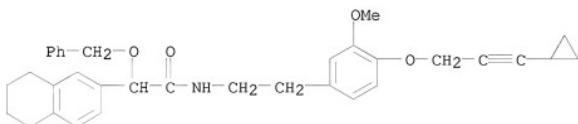


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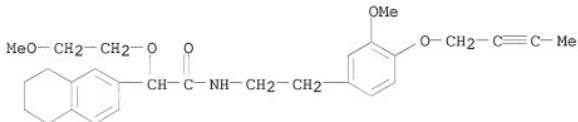
RN 1055216-78-8 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(phenylmethoxy)- (CA INDEX NAME)



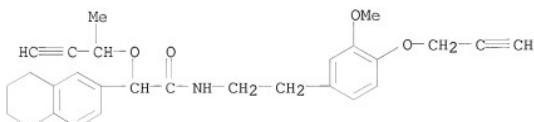
RN 1055216-79-9 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(phenylmethoxy)- (CA INDEX NAME)



RN 1055216-94-8 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methoxyethoxy)- (CA INDEX NAME)



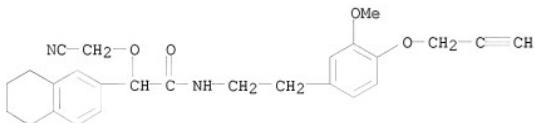
RN 1055217-05-4 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -[(1-methyl-2-propyn-1-yl)oxy]- (CA INDEX NAME)



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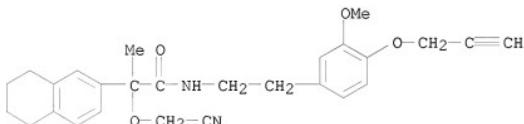
RN 1055217-88-3 CAPLUS

CN 2-Naphthaleneacetamide, α -(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



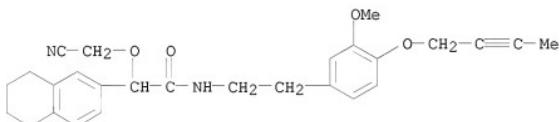
RN 1055217-89-4 CAPLUS

CN 2-Naphthaleneacetamide, α -(cyanomethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



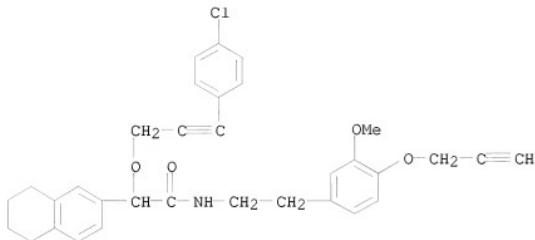
RN 1055217-90-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(cyanomethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)

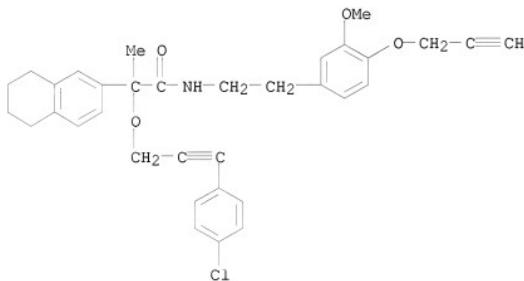


RN 1055218-09-1 CAPLUS

CN 2-Naphthaleneacetamide, α -[3-(4-chlorophenyl)-2-propyn-1-yl]oxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



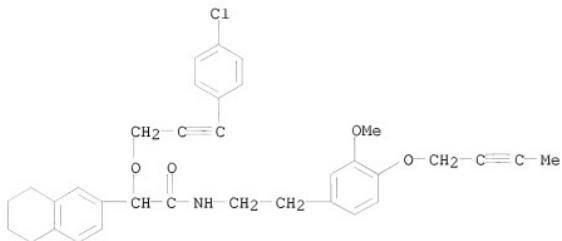
RN 1055218-10-4 CAPLUS

CN 2-Naphthaleneacetamide, α -[(3-(4-chlorophenyl)-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- (CA INDEX NAME)

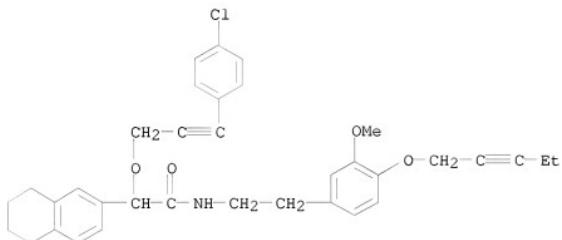
RN 1055218-11-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -[(3-(4-chlorophenyl)-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro- (CA INDEX NAME)

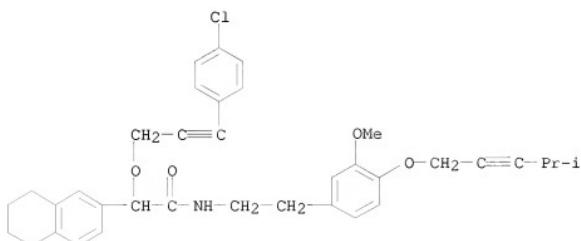
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RN 1055218-12-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

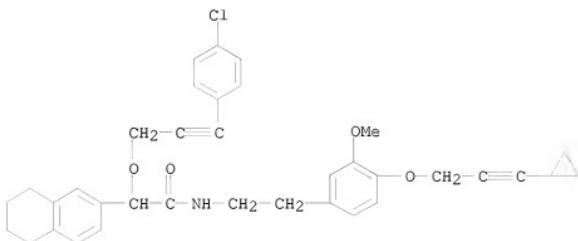


RN 1055218-13-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

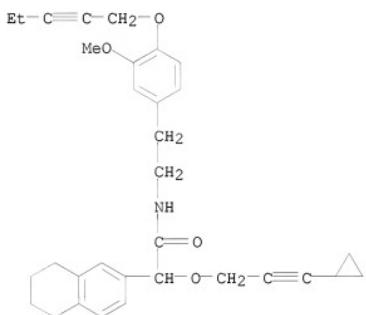


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RN 1055218-14-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

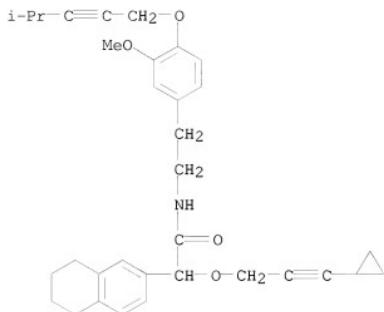


RN 1055219-85-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

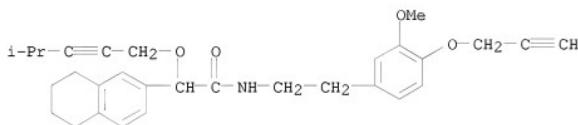


RN 1055219-86-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

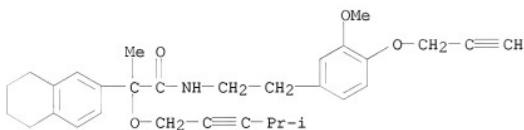
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RN 1055220-19-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

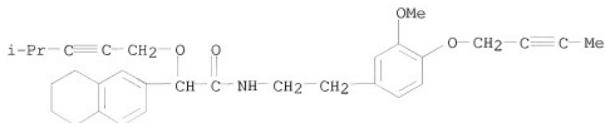


RN 1055220-20-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

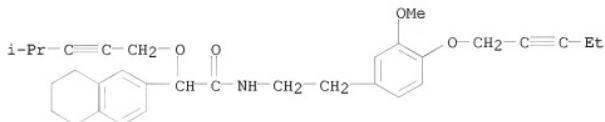


RN 1055220-21-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

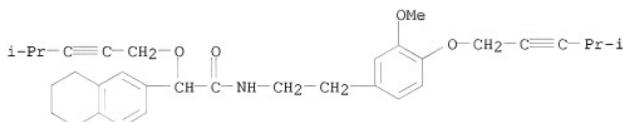
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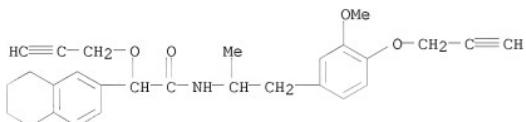
RN 1055220-22-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



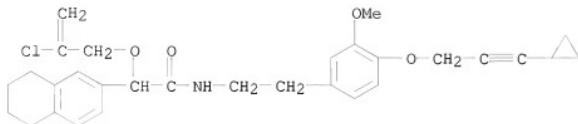
RN 1055220-23-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



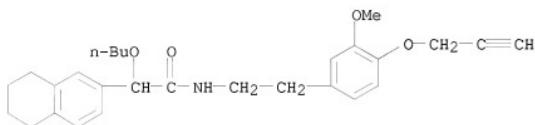
RN 1055221-97-0 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propynyl)oxy]phenyl]-*a*-(2-propynyl)oxy- (CA INDEX NAME)



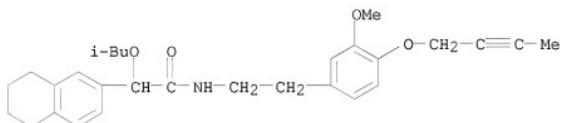
RN 1055222-32-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



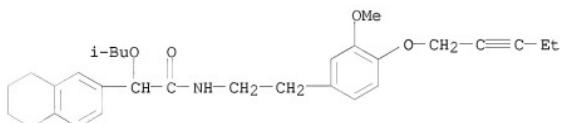
RN 1055223-53-4 CAPLUS
 CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



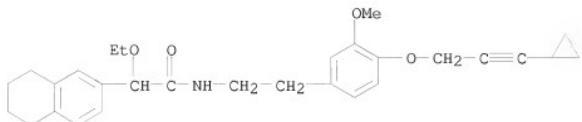
RN 1055224-57-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methylpropoxy)- (CA INDEX NAME)



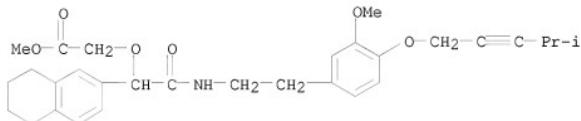
RN 1055224-58-2 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(2-methylpropoxy)- (CA INDEX NAME)



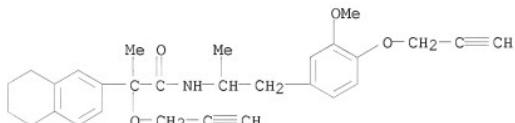
RN 1055225-51-8 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



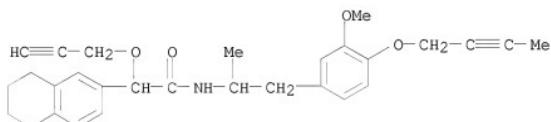
RN 1055226-57-7 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



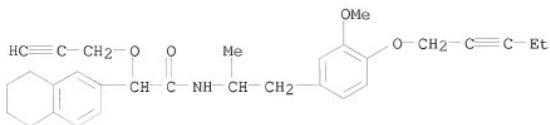
RN 1055228-55-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]-1-methylethyl]- α -methyl- α -(2-propyn-1-yloxy)-
 (CA INDEX NAME)



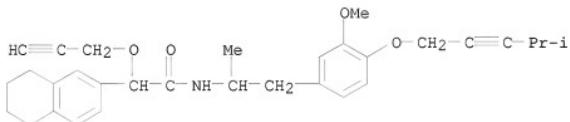
RN 1055228-56-2 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)-
 (CA INDEX NAME)



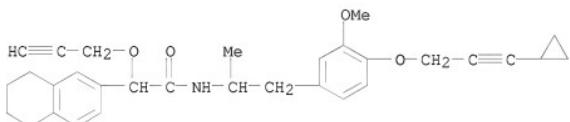
RN 1055228-57-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]-1-methylethyl]- α -(2-propyn-1-yloxy)-
 (CA INDEX NAME)



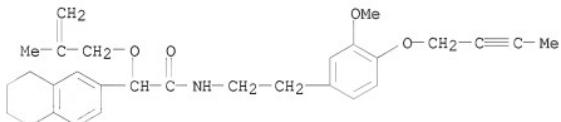
RN 1055228-58-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



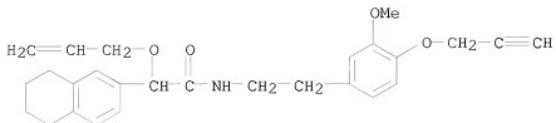
RN 1055228-59-5 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]-1-methylethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



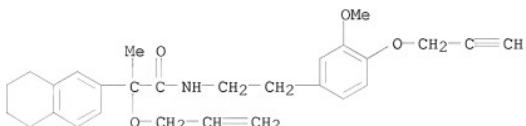
RN 1055229-27-0 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-methyl-2-propen-1-yl)oxy)- (CA INDEX NAME)



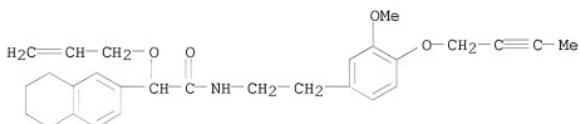
RN 1055230-40-4 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-yloxy)- (CA INDEX NAME)



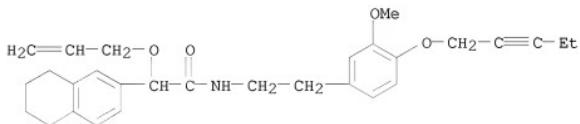
RN 1055230-41-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-propen-1-yloxy)- (CA INDEX NAME)



RN 1055230-42-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(4-(2-butyn-1-yloxy)-3-methoxyphenyl)ethyl]-5,6,7,8-tetrahydro- α -(2-propen-1-yloxy)- (CA INDEX NAME)

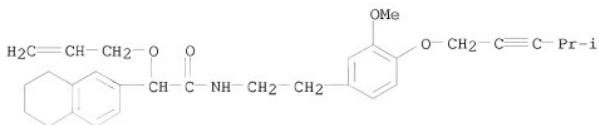


RN 1055230-43-7 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(2-propen-1-yloxy)- (CA INDEX NAME)



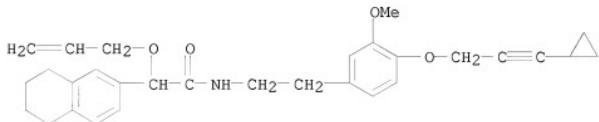
RN 1055230-44-8 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

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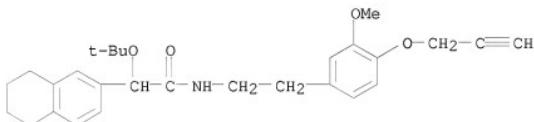
RN 1055230-47-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propen-1-yloxy)- (CA INDEX NAME)



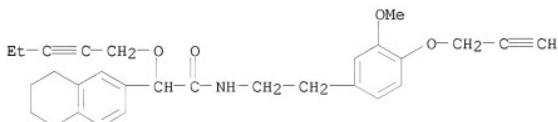
RN 1055230-72-2 CAPLUS

CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055230-99-3 CAPLUS

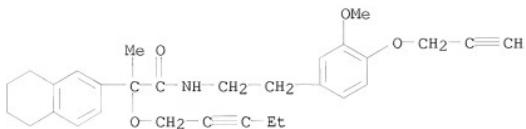
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2-pentyn-1-yloxy)- (CA INDEX NAME)



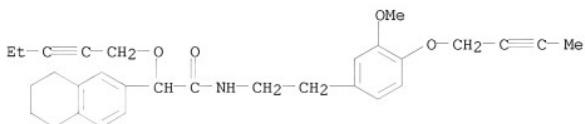
RN 1055231-00-9 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-pentyn-1-yloxy)- (CA INDEX NAME)

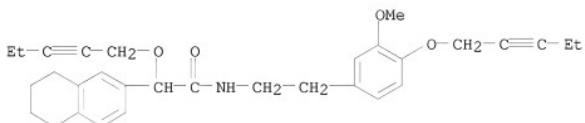
10/513699



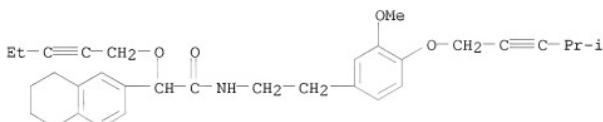
RN 1055231-01-0 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-pentyn-1-yloxy)- (CA INDEX NAME)



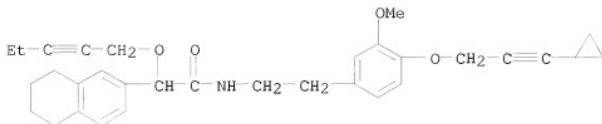
RN 1055231-02-1 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



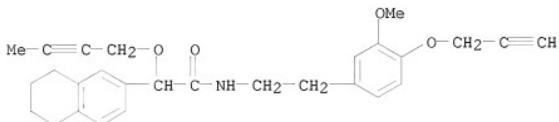
RN 1055231-03-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



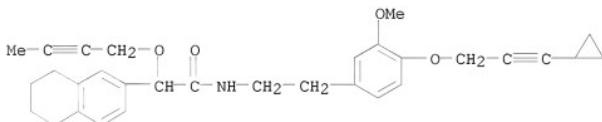
RN 1055231-04-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



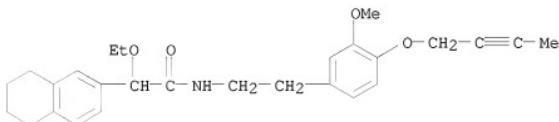
RN 1055232-70-6 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



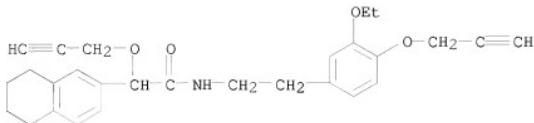
RN 1055232-71-7 CAPLUS
 CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



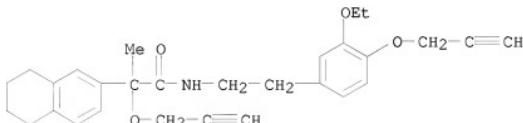
RN 1055236-78-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -ethoxy-5,6,7,8-tetrahydro- (CA INDEX NAME)



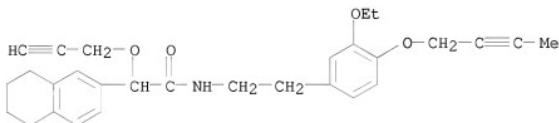
RN 1055238-63-5 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[3-ethoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



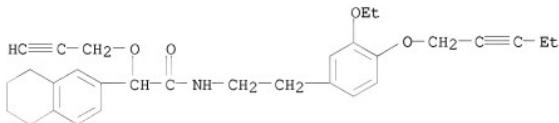
RN 1055238-64-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(3-ethoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-5,6,7,8-tetrahydro-alpha-(2-propyn-1-yloxy)- (CA INDEX NAME)



RN 1055238-65-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(4-(2-butyn-1-yloxy)-3-ethoxyphenyl)ethyl]-5,6,7,8-tetrahydro-alpha-(2-propyn-1-yloxy)- (CA INDEX NAME)

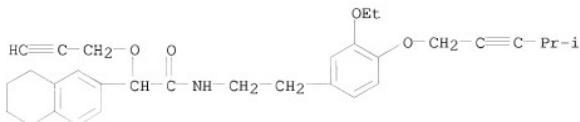


RN 1055238-66-8 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(3-ethoxy-4-(2-pentyn-1-yloxy)phenyl)ethyl]-5,6,7,8-tetrahydro-alpha-(2-propyn-1-yloxy)- (CA INDEX NAME)

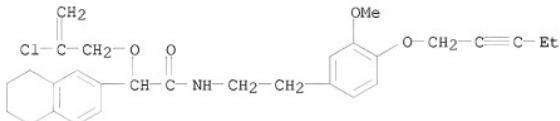


RN 1055238-67-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

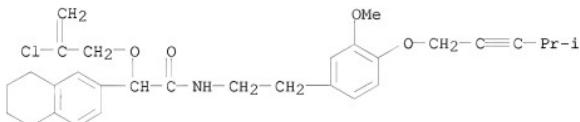
10/513699



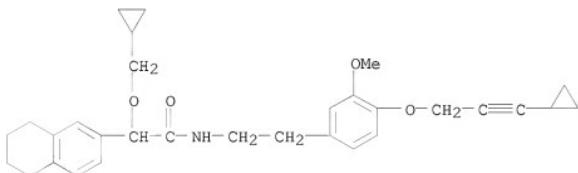
RN 1055240-59-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



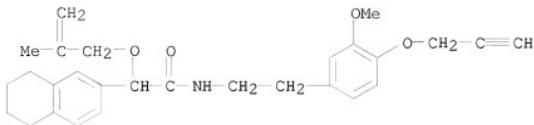
RN 1055240-60-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



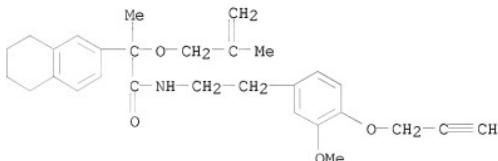
RN 1055242-23-3 CAPLUS
CN 2-Naphthaleneacetamide, α -(cyclopropylmethoxy)-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-(CA INDEX NAME)



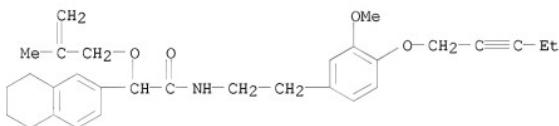
RN 1055243-85-0 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -[(2-methyl-2-propen-1-yl)oxy]-(CA INDEX NAME)



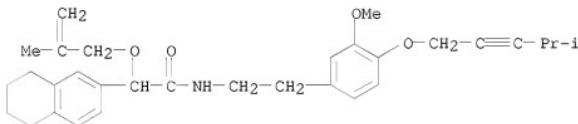
RN 1055243-86-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-α-methyl-α-[(2-methyl-2-propen-1-yl)oxy]-
 (CA INDEX NAME)



RN 1055243-87-2 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



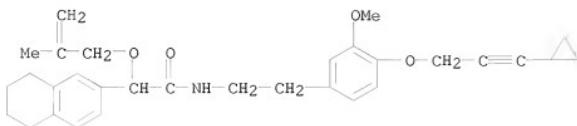
RN 1055243-88-3 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1055243-89-4 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-[(2-methyl-2-propen-1-

10/513699

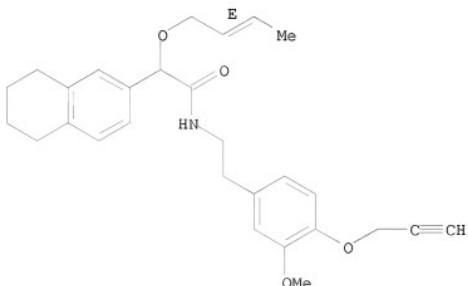
y1)oxy]- (CA INDEX NAME)



RN 1055244-11-5 CAPLUS

CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

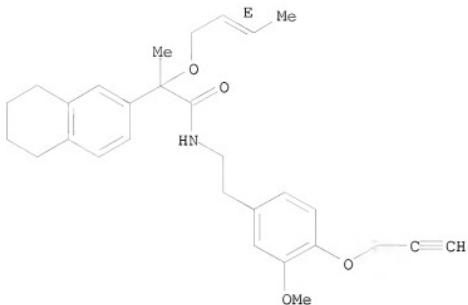
Double bond geometry as shown.



RN 1055244-12-6 CAPLUS

CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

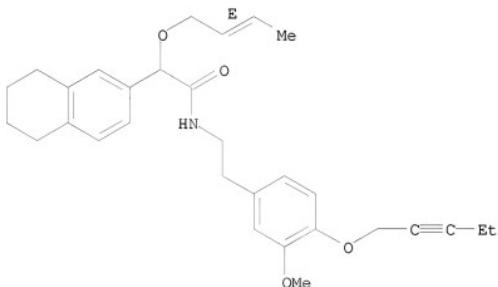
Double bond geometry as shown.



RN 1055244-13-7 CAPLUS

CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

Double bond geometry as shown.

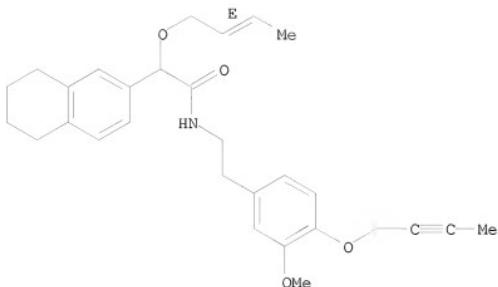


RN 1055244-14-8 CAPLUS

CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

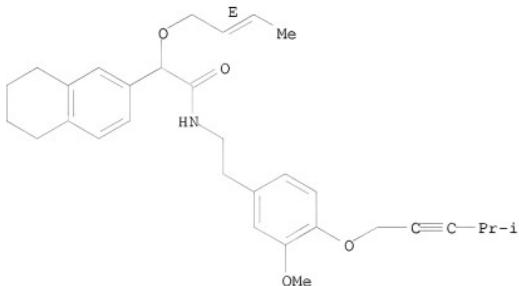
Double bond geometry as shown.

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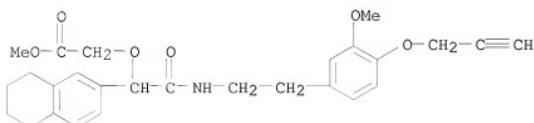


RN 1055244-15-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.

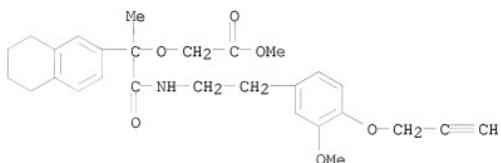


RN 1055247-12-5 CAPLUS
CN Acetic acid, 2-[2-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester (CA INDEX NAME)

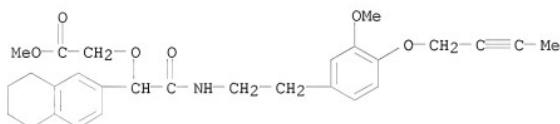


10/513699

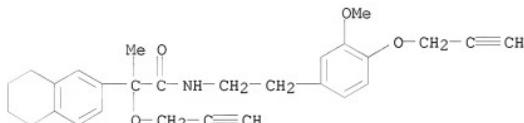
RN 1055247-15-8 CAPLUS
CN Acetic acid, 2-[2-[(2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]amino]-1-methyl-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester
(CA INDEX NAME)



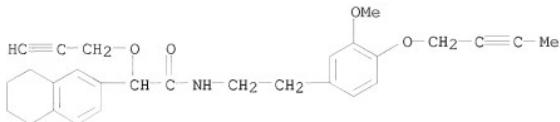
RN 1055247-16-9 CAPLUS
CN Acetic acid, 2-[2-[(2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]amino]-2-oxo-1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethoxy-, methyl ester (CA INDEX NAME)



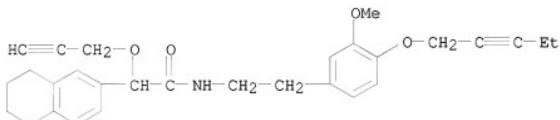
RN 1055249-28-9 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



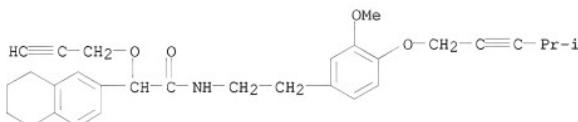
RN 1055249-29-0 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



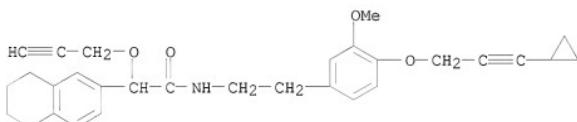
RN 1055249-30-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



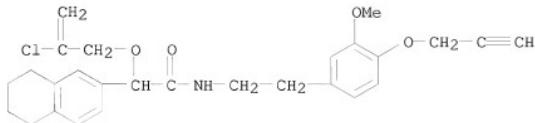
RN 1055249-33-6 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



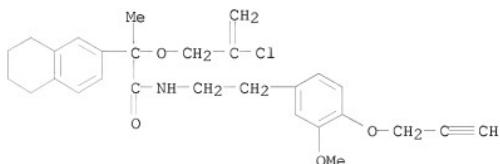
RN 1055249-34-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)



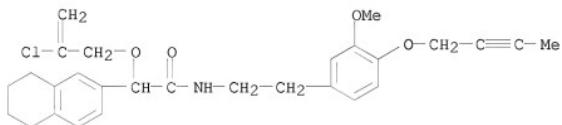
RN 1055250-39-9 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(2-chloro-2-propen-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- (CA INDEX NAME)



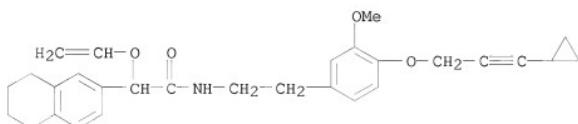
RN 1055250-41-3 CAPLUS
 CN 2-Naphthaleneacetamide, α -[{2-(2-chloro-2-propenyl)oxy}-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)oxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



RN 1055250-45-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-{4-(2-butynyl)oxy}-3-methoxyphenyl]ethyl- α -[{2-(2-chloro-2-propenyl)oxy}-5,6,7,8-tetrahydro- (CA INDEX NAME)



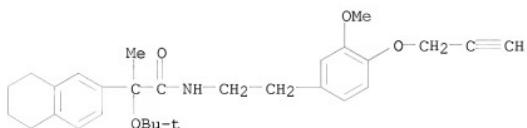
RN 1055253-12-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-{4-[(3-cyclopropyl-2-propynyl)oxy]-3-methoxyphenyl}ethyl]- α -(ethenyl)- (CA INDEX NAME)



RN 1055254-60-8 CAPLUS

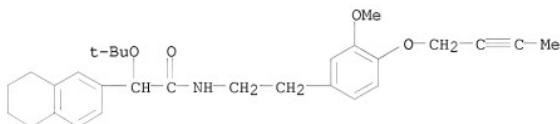
10/513699

CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



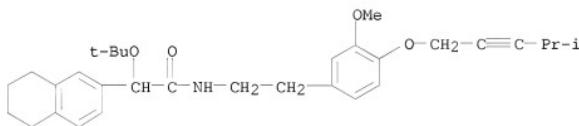
RN 1055254-61-9 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]- α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



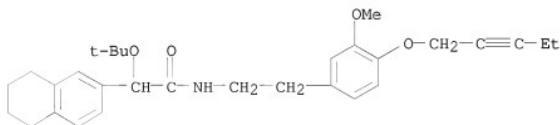
RN 1055254-62-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1055254-63-1 CAPLUS

CN 2-Naphthaleneacetamide, α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

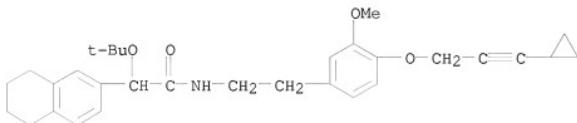


RN 1055254-64-2 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propyn-1-yloxy)-3-

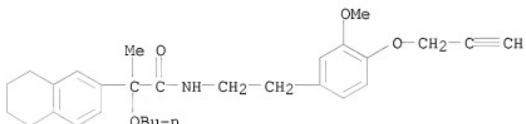
10/513699

methoxyphenyl]ethyl]- α -(1,1-dimethylethoxy)-5,6,7,8-tetrahydro- (CA INDEX NAME)



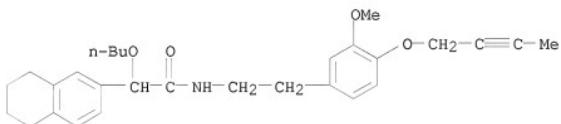
RN 1055255-69-0 CAPLUS

CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)



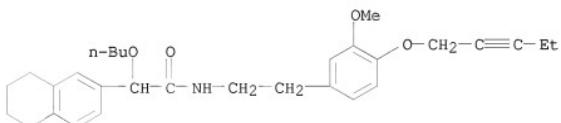
RN 1055255-70-3 CAPLUS

CN 2-Naphthaleneacetamide, α -butoxy-N-[2-(4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



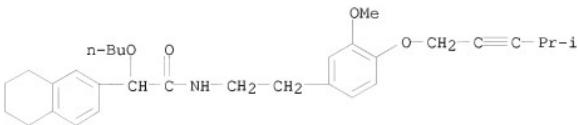
RN 1055255-71-4 CAPLUS

CN 2-Naphthaleneacetamide, α -butoxy-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

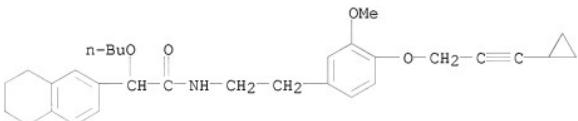


RN 1055255-72-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



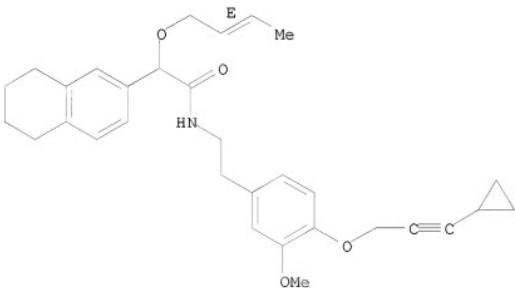
RN 1055255-73-6 CAPLUS

CN 2-Naphthaleneacetamide, α -butoxy-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

RN 1055256-73-9 CAPLUS

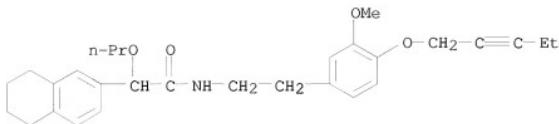
CN 2-Naphthaleneacetamide, α -[(2E)-2-buten-1-yloxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)

Double bond geometry as shown.

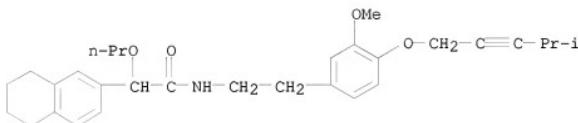


RN 1055258-31-5 CAPLUS

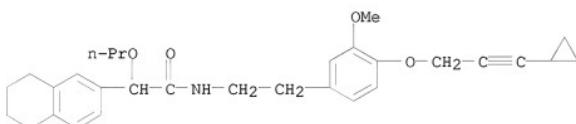
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -propano- (CA INDEX NAME)



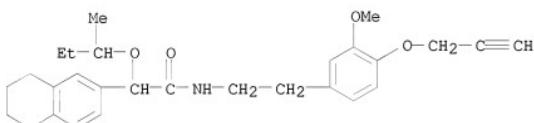
RN 1055258-32-6 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



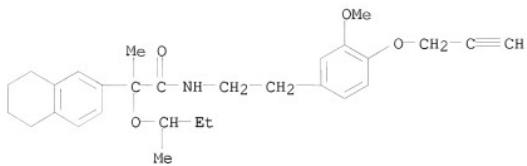
RN 1055258-33-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-alpha-propoxy- (CA INDEX NAME)



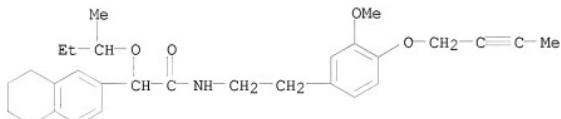
RN 1055261-20-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-alpha-(1-methylpropoxy)- (CA INDEX NAME)



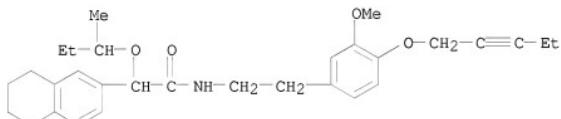
RN 1055261-21-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-alpha-methyl-alpha-(1-methylpropoxy)- (CA INDEX NAME)



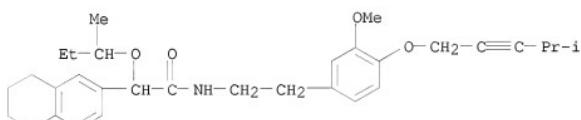
RN 1055261-22-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylpropoxy)- (CA INDEX NAME)



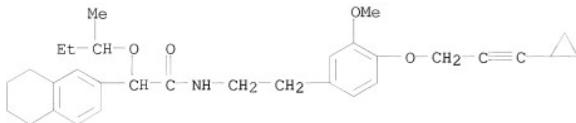
RN 1055261-23-8 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(1-methylpropoxy)- (CA INDEX NAME)



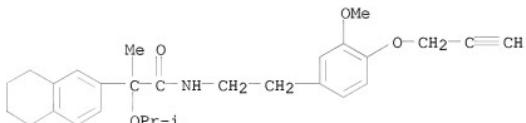
RN 1055261-24-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



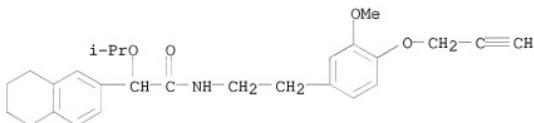
RN 1055261-25-0 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylpropoxy)- (CA INDEX NAME)



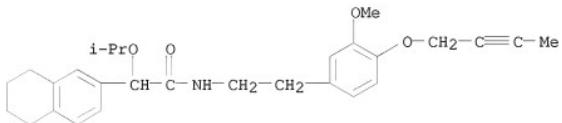
RN 1055262-68-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)phenoxy)ethyl]- α -methyl- α -(1-methylethoxy)- (CA INDEX NAME)



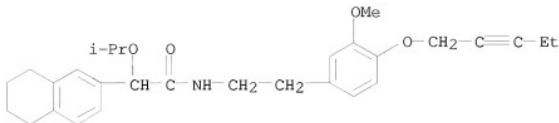
RN 1055262-70-8 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl)phenoxy)ethyl]- α -(1-methylethoxy)- (CA INDEX NAME)



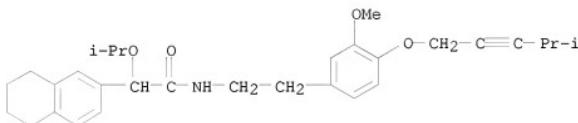
RN 1055262-73-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(4-(2-butynyl)phenoxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(1-methylethoxy)- (CA INDEX NAME)



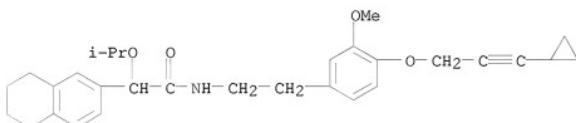
RN 1055262-75-3 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-pentynyl)phenoxy)ethyl]- α -(1-methylethoxy)- (CA INDEX NAME)



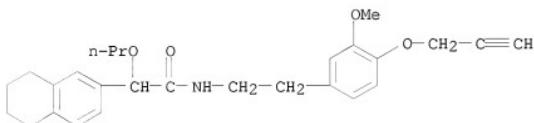
RN 1055262-76-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1055262-78-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-α-(1-methylethoxy)- (CA INDEX NAME)

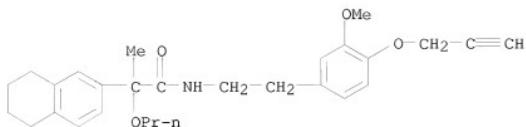


RN 1055264-42-0 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-α-propoxymethyl- (CA INDEX NAME)

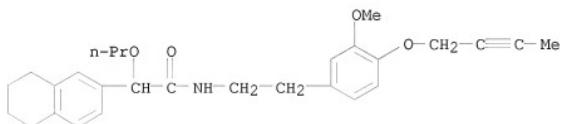


RN 1055264-43-1 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]-α-methyl-α-propoxymethyl- (CA INDEX NAME)

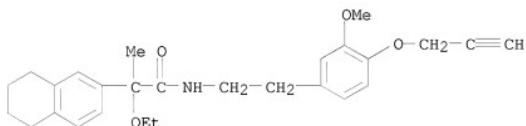
10/513699



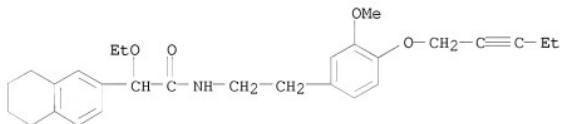
RN 1055264-45-3 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro-alpha-propoxy- (CA INDEX NAME)



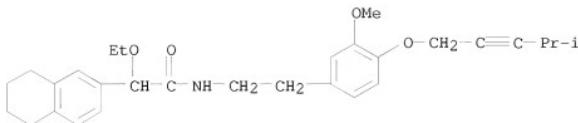
RN 1055267-02-1 CAPLUS
CN 2-Naphthaleneacetamide, alpha-ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-alpha-methyl- (CA INDEX NAME)



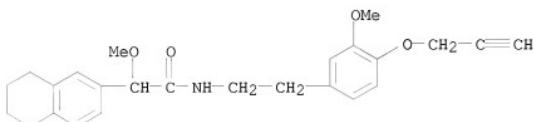
RN 1055267-05-4 CAPLUS
CN 2-Naphthaleneacetamide, alpha-ethoxy-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



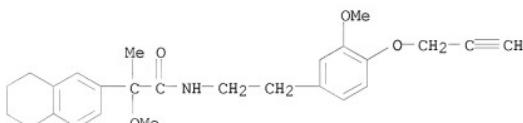
RN 1055267-06-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



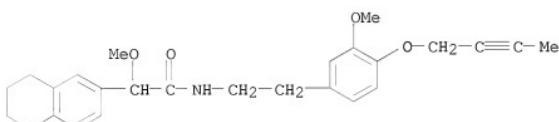
RN 1055270-60-4 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-[3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



RN 1055270-61-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-[3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- α -methyl- (CA INDEX NAME)

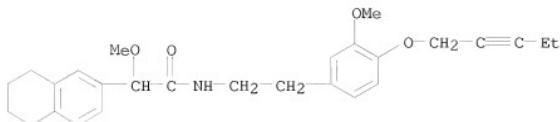


RN 1055270-62-6 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)

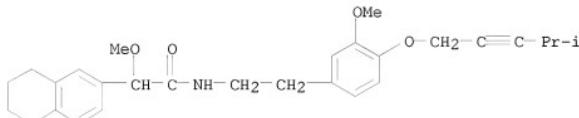


RN 1055270-63-7 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -methoxy-N-[2-[3-methoxy-4-(2-pentynyl-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

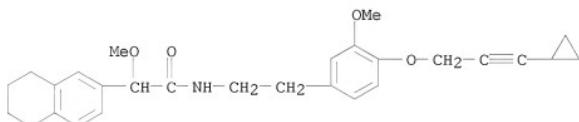
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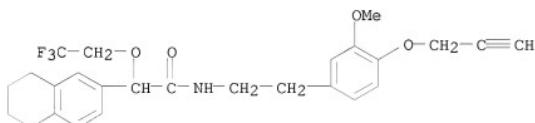
RN 1055270-64-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



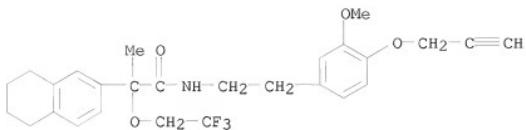
RN 1055270-65-9 CAPLUS
CN 2-Naphthaleneacetamide, N-[2-{4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl}ethyl]-5,6,7,8-tetrahydro- α -methoxy- (CA INDEX NAME)



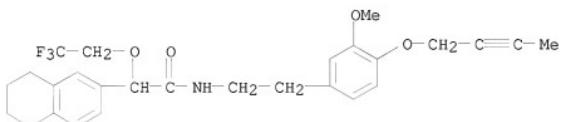
RN 1055271-92-5 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



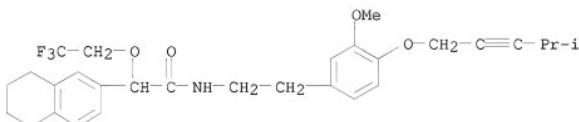
RN 1055271-93-6 CAPLUS
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



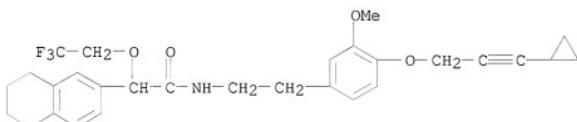
RN 1055271-94-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(2-butynyl-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)



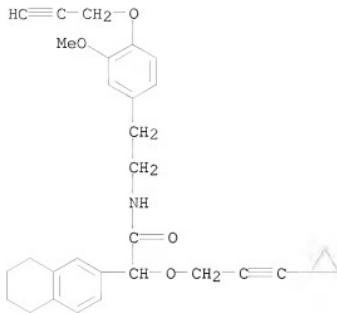
RN 1055271-95-8 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1055271-98-1 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-[4-(3-cyclopropyl-2-propynyl-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2,2,2-trifluoroethoxy)- (CA INDEX NAME)

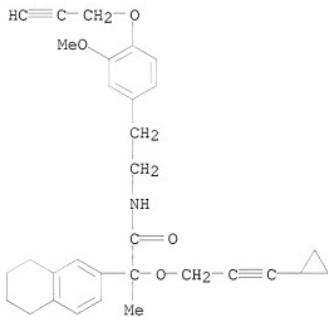


RN 1055273-51-2 CAPLUS
 CN 2-Naphthaleneacetamide, α -[(3-cyclopropyl-2-propynyl-1-yloxy)-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propynyl-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



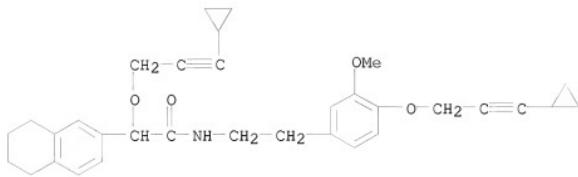
RN 1055273-52-3 CAPLUS

CN 2-Naphthaleneacetamide, α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-5,6,7,8-tetrahydro-N-[2-(3-methoxy-4-(2-propyn-1-yloxy)phenyl)ethyl]- α -methyl- (CA INDEX NAME)

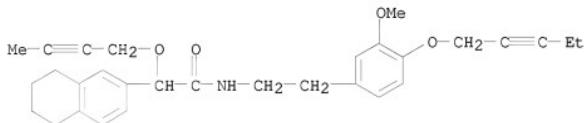


RN 1055273-53-4 CAPLUS

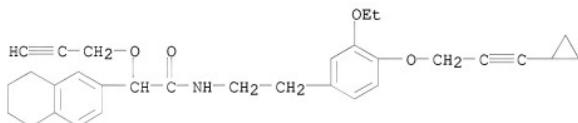
CN 2-Naphthaleneacetamide, α -[(3-cyclopropyl-2-propyn-1-yl)oxy]-N-[2-[4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- (CA INDEX NAME)



RN 1055274-16-2 CAPLUS

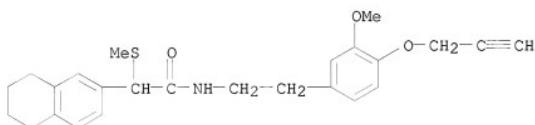
CN 2-Naphthaleneacetamide, α -(2-butyn-1-yloxy)-5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)

RN 1055275-96-1 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-((3-cyclopropyl-2-propyn-1-yl)oxy)-3-ethoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(2-propyn-1-yloxy)- (CA INDEX NAME)

RN 1102336-75-3 CAPLUS

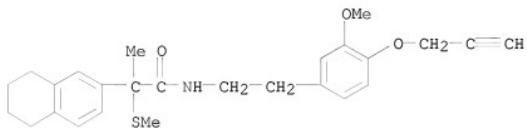
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RN 1102336-76-4 CAPLUS

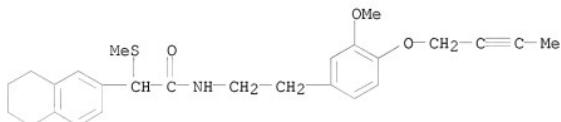
10/513699

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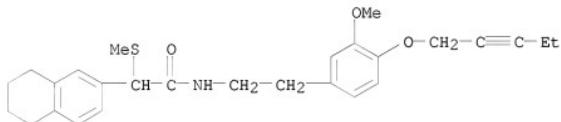
RN 1102336-77-5 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-[4-(2-butyn-1-yloxy)-3-methoxyphenyl]ethyl]-5,6,7,8-tetrahydro- α -(methylthio)- (CA INDEX NAME)



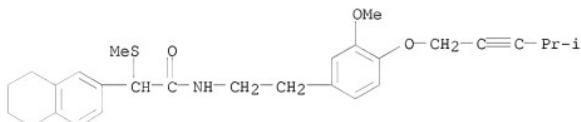
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CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-pentyn-1-yloxy)phenyl]ethyl]- α -(methylthio)- (CA INDEX NAME)



RN 1102336-79-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

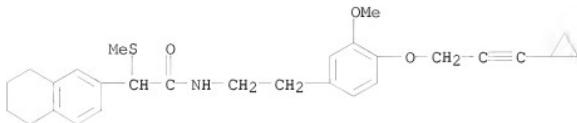


RN 1102336-80-0 CAPLUS

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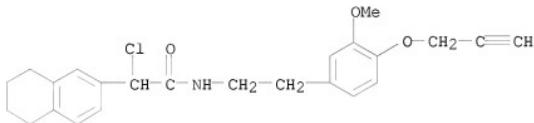
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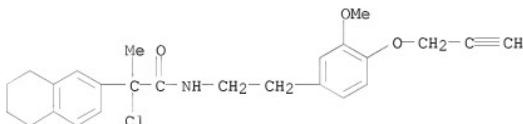
RN 1102339-25-2 CAPLUS

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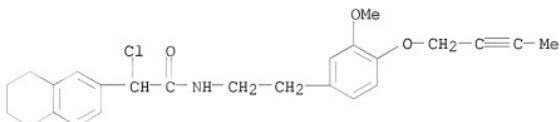
RN 1102339-26-3 CAPLUS

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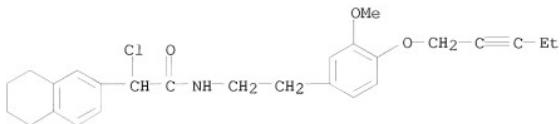
RN 1102339-27-4 CAPLUS

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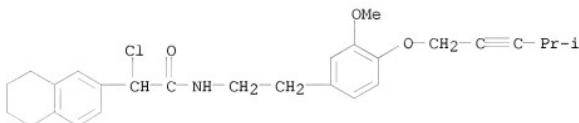


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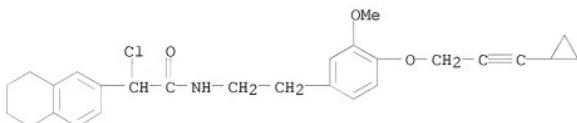
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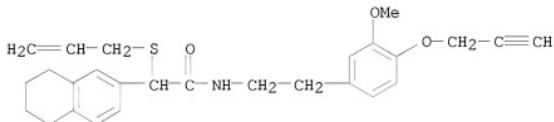
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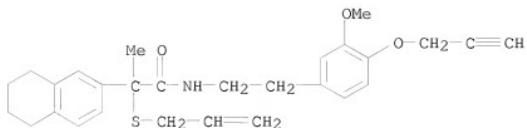
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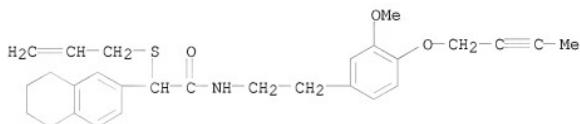
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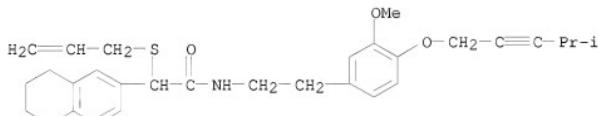
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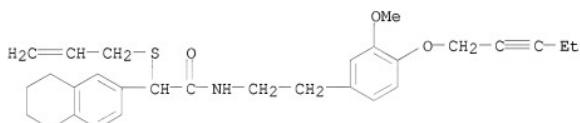
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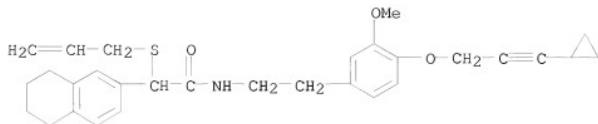
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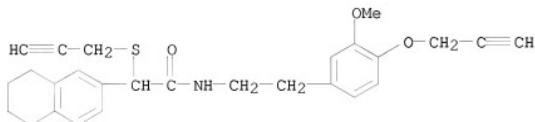
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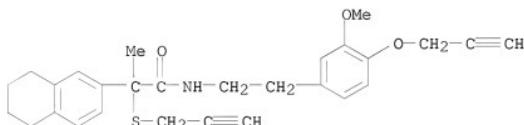
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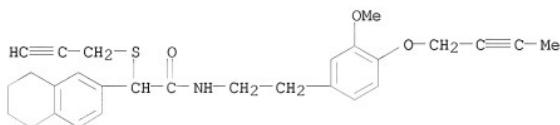
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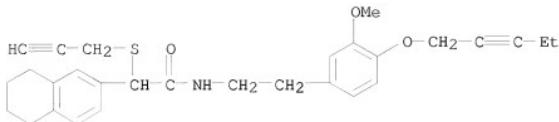
RN 1102343-23-6 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- α -methyl- α -(2-propyn-1-ylthio)- (CA INDEX NAME)



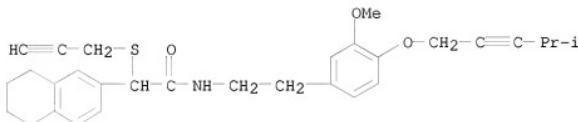
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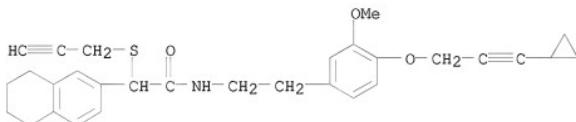
RN 1102343-25-8 CAPLUS
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RN 1102343-26-9 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



RN 1102343-27-0 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-{4-[(3-cyclopropyl-2-propyn-1-yl)oxy]-3-methoxyphenyl}ethyl]-5,6,7,8-tetrahydro-a-(2-propyn-1-ylthio)- (CA INDEX NAME)



OS.CITING REF COUNT: 14 THERE ARE 14 CAPLUS RECORDS THAT CITE THIS
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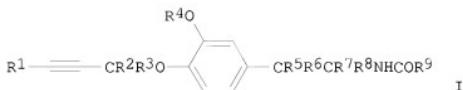
L5 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:493502 CAPLUS
 DOCUMENT NUMBER: 133:104883
 TITLE: Preparation of (acylaminoethyl)aryl propargyl ethers as agrochemical microbicides.
 INVENTOR(S): Zeller, Martin; Jeanguenat, Andre; Lamberth, Clemens; Kunz, Walter
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen
 SOURCE: PCT Int. Appl., 89 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000041998	A1	20000720	WO 2000-EP106	20000110 <--
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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CA 2356121	C	20090331		
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AT 257148	T	20040115	AT 2000-901518	20000110 <--
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IL 144105	A	20061231	IL 2000-144105	20000110
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EG 23070	A	20040229	EG 2000-18	20000111 <--
ZA 2001005514	A	20020104	ZA 2001-5514	20010704 <--
IN 2001CN00951	A	20050304	IN 2001-CN951	20010706
MX 2001006978	A	20011011	MX 2001-6978	20010709 <--
US 6469005	B1	20020102	US 2001-903651	20010711 <--
PRIORITY APPLN. INFO.:			GB 1999-455	A 19990111
			WO 2000-EP106	W 20000110

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 133:104883

GI



AB Title compds. [I; R1 = H, alkyl, cycloalkyl, (substituted) aryl; R2, R3 = H, alkyl; R4 = alkyl, alkenyl, alkynyl; R5-R8 = H, alkyl; R9 = COR10, C(OZ)R10R11, C(:NOR12)R10, etc.; R10 = (substituted) aryl, heteroaryl; R11 = H (substituted) alkyl, alkenyl, alkynyl; Z = H, COR16, CO2R16, COCO2R16, CONR16R17; R12 = H, (substituted) alkyl, alkenyl, alkynyl; R16, R17 = H, (substituted) alkyl, cycloalkyl, aryl, heteroaryl], were prepared. Thus, 2-(3,4-dichlorophenyl)-N-[2-(3-methoxy-4-prop-2-nyloxyphenyl)ethyl]-2-oxoacetamide was heated with MeONH2.HCl and pyridine in EtOH at 80° for 4 h to give 2-(3,4-dichlorophenyl)-2-methoxyimino-N-[2-(3-methoxy-4-prop-2-nyloxyphenyl)ethyl]acetamide. Numerous I as 0.02% sprays gave complete control of *Plasmopara viticola* on vines.

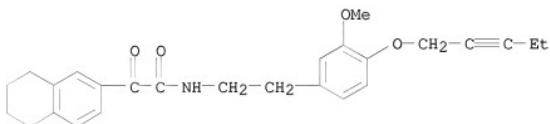
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1100606-32-3	1100607-98-4	1100609-21-9
1100610-64-7	1100612-05-2	1100613-48-6
1100614-54-7	1100616-02-1	1100617-03-5
1100618-95-8	1100619-63-3	1100620-98-1
1100621-30-4	1100623-97-9	1100626-75-2
1100628-19-0	1100629-73-9	1100630-98-5
1100633-66-6	1100634-28-3	

RL: PRPH (Prophetic)
(Preparation of (acylaminoethyl)aryl propargyl ethers as agrochemical microbicides.)

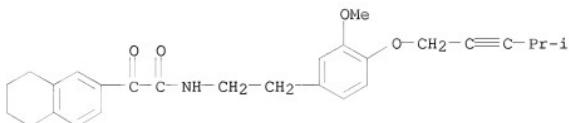
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RN 1100607-98-4 CAPLUS

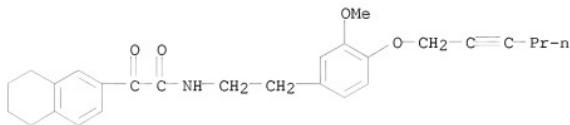
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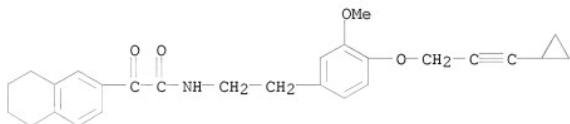
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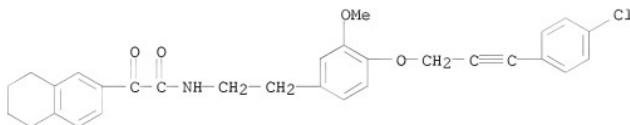
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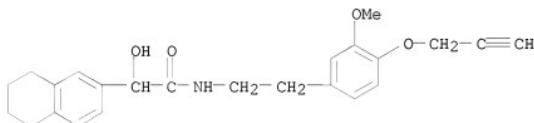
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RN 1100613-48-6 CAPLUS

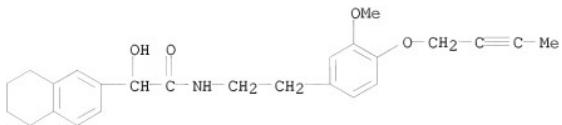
CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro- α -hydroxy-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]- (CA INDEX NAME)



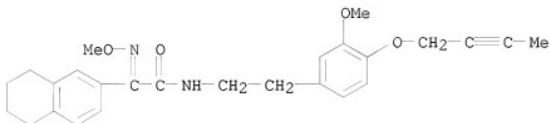
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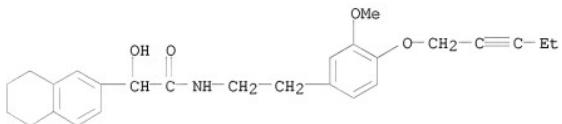
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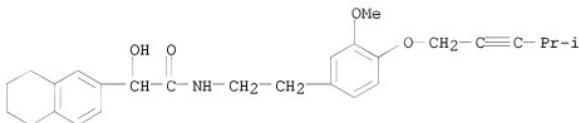
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CN INDEX NAME NOT YET ASSIGNED



RN 1100617-03-5 CAPLUS
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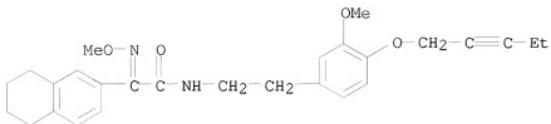


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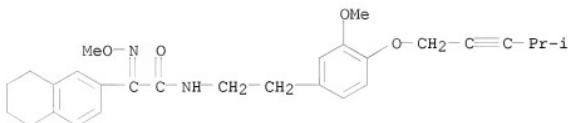


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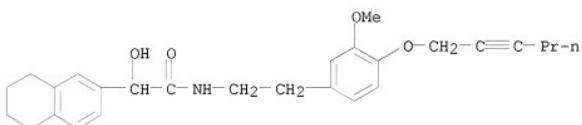
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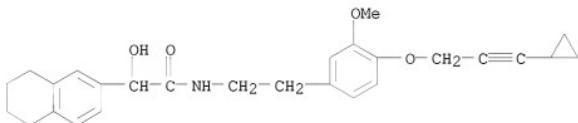
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RN 1100621-30-4 CAPLUS
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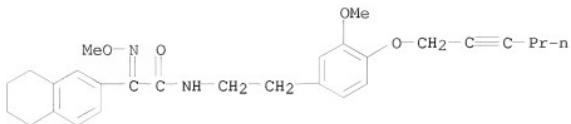


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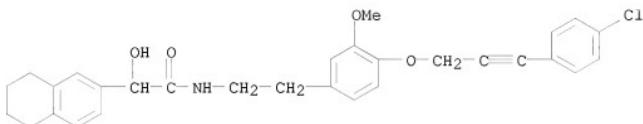


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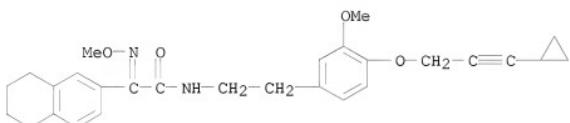
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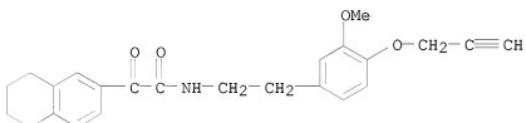
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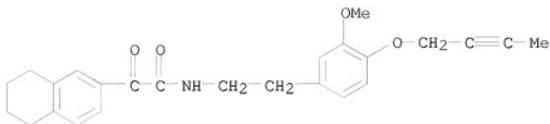


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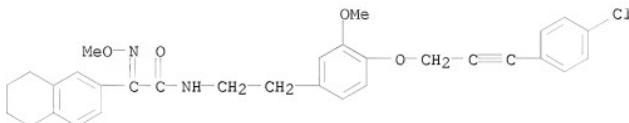


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10/513699



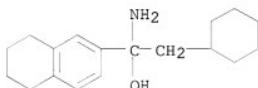
RN 1100634-28-3 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1965:90683 CAPLUS
 DOCUMENT NUMBER: 62:90683
 ORIGINAL REFERENCE NO.: 62:16162c-e
 TITLE: New tetrahydronaphthalene derivatives
 PATENT ASSIGNEE(S): Holding Ceresia S.A.
 SOURCE: 10 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1390056	-----	19650219	FR 1964-971752	19640421 <-
BE 658392	-----		BE	
PRIORITY APPLN. INFO.:	-----		CH	19631109
GI For diagram(s), see printed CA Issue.				
AB Condensation of ω -bromo-5,6,7,8-tetrahydro-2-acetonaphthone (I) with amines leads to substituted ω -amino-5,6,7,8-tetrahydro-2-acetonaphthones (II). The latter can be reduced by hydrogenation to give III. To a solution of 120 g. I in 700 mL. anhydrous Et ₂ O was added at 15° 60 g. iso-PrNH ₂ in 200 mL. Et ₂ O. After standing 15-20 h. at 10°, the solution was filtered, evaporated in vacuo, and the residue taken up in Et ₂ O and treated with HCl gas to give ω -isopropylamino-5,6,7,8-tetrahydro-2-acetonaphthone-HCl (II) (R : iso-Pr) (IV), m. 208-9°. An alc. solution of 50 g. IV was hydrogenated over 2 g. Pd-C (10% Pd) at 2-5 atmospheric, filtered, and evaporated to				
			give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol-HCl (III) (R : iso-Pr), m. 160-2°. Similarly prepared were the following compds. (compound, R, and m.p. given): II, sec-Bu, 182-4°; III, sec-Bu, 129-30°; II, tert-Bu, 226-7°; III, tert-Bu, 196-7°; II, PhCH ₂ CHMe (V), 210-11°; III, PhCH ₂ CHMe, 142-3°; II cyclohexyl, 231-2°; III, cyclohexyl, 178-9°. Most HCl salts were recrystd. from EtOH-Et ₂ O, but V was recrystd. from EtOH.	
IT 1087756-57-7P	RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation) (New tetrahydronaphthalene derivatives)			
RN 1087756-57-7 CAPLUS				
CN 2-Naphthalenemethanol, α -amino- α -(cyclohexylmethyl)-5,6,7,8-tetrahydro-, hydrochloride (1:1) (CA INDEX NAME)				



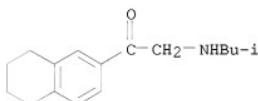
● HCl

10/513699

<12/04/2007>

Erich Leese

L5 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1964:432238 CAPLUS
 DOCUMENT NUMBER: 61:32238
 ORIGINAL REFERENCE NO.: 61:5580b-d
 TITLE: New series of β -adrenergic blocking agents
 AUTHOR(S): Ferrari, G.; Casagrande, C.; Canova, M.
 CORPORATE SOURCE: Lab. Ric. Simes, Milan, S.p.A.
 SOURCE: Bollettino Chimico Farmaceutico (1964),
 103(1), 32-6
 CODEN: BCFAAI; ISSN: 0006-6648
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 GI For diagram(s), see printed CA Issue.
 AB The compds. were prepared by catalytic hydrogenation of aminoketones and isolated as hydrochlorides; they were soluble in H₂O and alc., less soluble in Me₂CO, and insol. in ether. The aminoketones used were obtained by reaction, in anhydrous ether, of ω -bromo-5,6,7,8-tetrahydro-2-acetonaphthone (I) (prepared by bromination, in ether, in the presence of Cl₃Al) with an excess of amine containing the iso-Pr, iso-Bu, tert-Bu, cyclohexyl, and 2-phenyl isopropyl radicals. In an example, 160 ml. anhydrous ether containing 25.3 g. I was mixed with 12.7 g. iso-PrNH₂ in 20 ml. anhydrous ether at 15-20°; after continuous stirring 7 hrs., the mixture was filtered, the solvent evaporated in vacuo, the non-reacted amine filtered, and the filtrate acidified with an ether solution of dry HCl to yield 19 g. ω -(isopropylamino)-5,6,7,8-tetrahydro-2-acetonaphthone hydrochloride, m. 208-9°. Similarly were prepared the following N-substituted ω -amino-5,6,7,8-tetrahydro-2-acetonaphthones (substituent and m.p. given): iso-Bu, 182-4°; tert-Bu, 226-7°; cyclohexyl, 231-2°, and 2-phenylisopropyl, 210-11°. Also prepared were the following (II) (R and m.p. given): iso-Pr, 160-2°; iso-Bu, 129-30°; tert-Bu, 196-8°; cyclohexyl, 178-9°; and 2-phenylisopropyl, 143-4°.
 IT 1082682-40-3P
 RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
 (New series of β -adrenergic blocking agents)
 RN 1082682-40-3 CAPLUS
 CN Ethanone, 2-[(2-methylpropyl)amino]-1-(5,6,7,8-tetrahydro-2-naphthalenyl)-
 (CA INDEX NAME)



L5 ANSWER 18 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1964:404138 CAPLUS
 DOCUMENT NUMBER: 61:4138
 ORIGINAL REFERENCE NO.: 61:625d-h,626a-d
 TITLE: Homocyclic compositions
 INVENTOR(S): Howe, R.; Smith, L. H.; Stephenson, J. S.
 PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
 SOURCE: 22 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 630210		19631021	BE	<--
FR M3063			FR	
GB 1005026			GB	
NL 290728			NL	
PRIORITY APPLN. INFO.:			GB	19620328

OTHER SOURCE(S): MARPAT 61:4138

GI For diagram(s), see printed CA Issue.

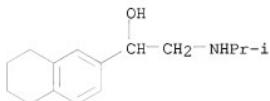
AB Pharmaceutically active compds. of the general formula I where R is a lower alkyl radical, n is 3 or 4, and B may be partially reduced or contain a Me substituent. Thus, NaBH4 1 is added with agitation at 0° over 10 min. to 2-(isopropylaminoacetyl)-5,6,7,8-tetrahydronaphthalene-HBr (II) 3 in MeOH 50, the mixture held 3 hrs., the MeOH evaporated at 30°, 0.5N HCl 80 added, the mixture washed with Et2O 20, 2N NaOH 30 added to the aqueous acidic layer and the aqueous layer extracted with Et2O 50 parts, dried over anhydrous MgSO4, and evaporated to give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (III), m. 84-5° (petr. ether, b. 4060°, and AcOEt); HCl salt m. 157°; HBr salt m. 224-6°. 2-[N-(1-Phenylprop-2-yl)amino]-1-(5,6,7,8-tetrahydronaphth-2-yl)ethanol (IV) is produced as a tar in a similar manner starting with the HBr salt of 2-[N-(1-phenylprop-2-yl)aminoacetyl]5,6,7,8-tetrahydronaphthalene. IV oxalate m. 158-9°; IV. HBr m. 227-8°. NaBH4 22 is added in 30 min. at 0-15° to 2-(α -bromoacetyl)-5,6,7,8-tetrahydronaphthalene 77, in cyclohexane 200, the mixture kept 1 hr., poured onto ice, and extracted with Et2O 300 parts, and the extract washed with H2O, dried over anhydrous MgSO4, and distilled. This oily mixture 10 is heated 16 hrs.

with iso-PrNH2 20 and EtOH 200, N HCl 100 added, the mixture washed with Et2O 50, treated with 2N NaOH 75 and extracted with 100 parts Et2O, the extract washed with H2O, dried over anhydrous MgSO4, and evaporated, and the residue treated with oxalic acid in MeOH to give the hemioxalate of 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (V), m. 214°. NaBH4 1 is added during 10 min. at 0° with stirring to crude (5,6,7,8-tetrahydro-2naphthyl)glyoxal (VI) in EtNH2 3 and MeOH 20, the mixture stirred 2 hrs. and evaporated, the residue treated with 0.5N HCl 100, the solution washed with Et2O 30, treated with 2N NaOH 35, and extracted with Et2O 100 parts, the extract washed with water, dried, and evaporated to give 2-ethylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (VII), m. 85-6° (AcOEt). VI is obtained by boiling 2-a-bromoacetyl-5,6,7,8-tetrahydronaphthalene S with Me2SO 70, pouring

onto ice 200, extracting with Et₂O 200, washing with saturated NaHCO₃ solution 30 parts, then H₂O, drying over anhydrous MgSO₄, and evaporating 2-isopropylamino-1-(2-naphthyl)ethanol (VIII) 10 in EtOH 10 is hydrogenated at 125 atmospheric 6 hrs. in the presence of Raney Ni 1, the mixture treated with Et₂O 50 and filtered, the filtrate evaporated, the residue treated with 2N HCl 50, the solution washed with Et₂O 50, treated with 11N NaOH 20, and extracted with Et₂O 50 parts, the extract dried over anhydrous gSO₄, evaporated, and recrystd. from petr. ether (b. 60-80°) to give III. VIII 2.3 is hydrogenated at 125°/125 atmospheric 6 hrs. in the presence of 5% Rh-C 0.5, the mixture purified, treated with (CO₂H)₂ 1 in Et₂O 50 parts, and filtered to give the oxalate of 1-decahydro-2naphthyl-2-isopropylethanol (IX), m. 122-4° (EtOH-AcOEt, 1:10). Prepared in a similar manner to VII is 2-[N-1-hydroxy-2methylprop-2-yl]amino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (X), m. 118-19° (AcOEt). Prepared in a similar manner to III are: 1-indan-5-yl-2-isopropylaminoethanol (XI), m. 99°; 2-sec-butylamino-1-indan-5-ylethanol (XII), m. 75-6°; 2-tertbutylamino-1-indan-5-ylethanol (XIII), m. 121-2°; 2-butylaminoindan-5-ylethanol (XIV), m. 94-5°; 2-[2-(3,4-dimethoxyphenyl)ethylamino]-1-indan-5-ylethanol (XV), m. 111-12°; 2tert-butyl-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (XVI), m. 85-6° (HCl salt, m. 203.4°). NaBH₄ 1 is added over 30 min. at 0° to indan-5-ylglyoxal (XVII) 2, EtNH₂ 1.2, and MeOH 40, the mixture kept 2 hrs. and evaporated, 0.5N HCl 100 added, the mixture washed, with Et₂O 30, treated with 2N NaOH 35, and extracted with Et₂O 100 parts, and the extract washed with H₂O, dried, and evaporated to give 2-ethylamino-1-indan-5-ylethanol (XVIII), m. 110-11° (AcOEt). XVII, m. 240-1° is produced by boiling 5- α -bromoacetylindan 5 and Me₂SO 40, keeping 2 days, pouring over ice 200, extracting with Et₂O 200, washing with saturated NaHCO₃ solution 30 parts, then water, drying over anhydrous gSO₄, evaporating and recryst. from H₂O. A mixture of 2-N-benzyl-N-isopropylamino-1-(2-naphthyl)ethanol (XIX) 1, EtOH 16, and concentrated HCl 0.2 is hydrogenated at arm. pressure using Pt oxide 0.3 parts and filtered and the filtrate evaporated, to give 2-isopropylamino-1-(5,6,7,8-tetrahydro-2-naphthyl)ethanol (XX), m. 157° (AcOEt). XIX, m. 154°, is obtained by hydrogenating 2-N-benzyl-N-isopropylaminoacetyl naphthalene using a Pt oxide catalyst. 2-Acetyl-3methyl-5,6,7,8-tetrahydronaphthalene (XXI) 20 is reduced by boiling 5 hrs. with dioxane 150, H₂O 10, and SeO₂ 12.5, cooling, filtering, drying the filtrate, dissolving in iso-PrNH₂ 7 and EtOH 160, cooling, and adding NaBH₄ 9 parts in 1 hr. Water 10 is added, the mixture evaporated, the residue washed with Et₂O 200 and H₂O 50 parts, the ether phase washed with H₂O, dried over anhydrous MgSO₄, and evaporated to give 2-isopropylamino-1-(3-methyl-5,6,7,8-tetrahydro-2-naphthyl)ethanol (XXII), m. 108° (Ac-OEt). XXI, b₈ 153-7° is obtained by adding a mixture of 2-methyl-5,6,7,8-tetrahydronaphthalene 15, AcCl 9, and CS₂ 60 at 0° to a suspension of AlC₁₃ 15 in CS₂ 125 parts. After 16 hrs. an ice-H₂O mixture 200 is added, the CS₂ evaporated, the residue extracted with Et₂O 200, the extract washed with H₂O, dried over anhydrous MgSO₄, and evaporated, and the residual liquid fractionally distilled. Tablets for oral administration are obtained from III.HCl, IV.HCl, VII.HCl, X.HCl, or XIII.HCl.

10/513699

IT 1071607-66-3P
RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation)
(Homocyclic compositions)
RN 1071607-66-3 CAPLUS
CN 2-Naphthalenemethanol, 5,6,7,8-tetrahydro- α -[(1-methylethyl)amino]methyl-, hydrobromide (1:1) (CA INDEX NAME)



● HBr

L5 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1962:423372 CAPLUS
 DOCUMENT NUMBER: 57:23372
 ORIGINAL REFERENCE NO.: 57:4722c-i,4723a-c
 TITLE: Chemistry of p-quinols. I. V. Stereochemistry of the Tetralin p-quinols and the estra-p-quin-10-ois
 AUTHOR(S): Heeker, Erich; trell, Rudolf Lat; Meyer, Elisabeth
 CORPORATE SOURCE: Biochem., Max-Planck-Inst., Munich, Germany
 SOURCE: Chemische Berichte (1962), 95, 985-95
 CODEN: CHBEAM; ISSN: 0009-2940
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Racemic Tetralin p-quinol (I) was resolved into the optical antipodes via the strychnine (II) salts of the acid 3-nitrophthalates. The configuration and conformation of the antipodes is discussed and related to the configuration and conformation of the estra-p-quinols on the basis of the optical shift rule and the rotational dispersion. From this the absolute configuration of the antipodes of I is deduced. Tetralin nitrated by the method of Schroeter (CA 16, 1763) gave a yellow oily mixture of 5- and 6-nitro derivs., b13 156-65°, a 90-g. portion in 400 cc. hot EtOH treated with 5.5 g. NH₄Cl in 80 cc. H₂O and then with stirring above 70° during 10 min. Zn dust, stirred 10 min., filtered at 65-70°, the residue washed with 80% EtOH, the combined filtrates poured into 2.5 l. H₂O and extracted with 600 cc. Et₂O, the extract shaken immediately with 250 cc. 10% H₂SO₄ to precipitate the sulfate of the 6HONH derivative of Tetralin, the aqueous phase again extracted with 600 cc. Et₂O, and the extract shaken with H₂SO₄ and filtered, the Et₂O phase separated, the filter residues suspended in the combined aqueous phases and extracted 10 hrs. with C₆H₆, and the extract evaporated gave 22 g. dark oil which diluted with 50 cc. cyclohexane deposited 5-6 g. pure I, m. 125-6° (Me₂CO and EtOAc); the original Et₂O phase evaporated, the residue (55 g.) distilled, and the distillate (40 g.), b13 150-65°, refrigerated gave 5-nitro derivative of Tetralin, m. 34-5° (MeOH); the distillation residue (15 g.) gave some 6,6'-azoxy derivative of Tetralin, m. 99-100°. I (1.3 g.) and 4.3 g. 3-nitrophthalic anhydride heated 7 hrs. at 40-5° in 14 cc. CH₂Cl₂ and 14 cc. C₅H₅N, kept overnight, heated 1 hr. at 40°, poured into iced H₂O, acidified with N HCl, and extracted with 3:1 CHCl₃-CH₂Cl₂, and the extract worked up gave 1.73 g. 3-nitro-2-phthalate (III) of I, m. 172° (MeOH); the mother liquor evaporated, and residue (1.6 g.) (from several runs) dissolved in 2.5 cc. warm MeOCH₂CH₂OH and allowed to stand 2 days deposited 820 mg. 3-nitro-1-phthalate (IV) of I, m. 192°. The R_f values were determined with 15:5:6 nonane-C₆H₆-AcOH for the following compds. (m.p. and R_f value given): Et 3-nitro-2-phthalate, 154°, 0.24; Et 3-nitro-1-phthalate, 107°, 0.18; Bu 8-nitro-2-phthalate, 143°, 0.40; Bu 3-nitro-1-phthalate, 90°, 0.34; III, 172°, 0.18; IV, 192°, 0.13. III (7 mg.) treated 10 hrs. at 45° with a 5-fold excess of K₂CO₃ gave only unchanged III. II (7 mg.) refluxed 7 hrs. with 2.5 equivs. KOH in MeOH gave only phenolic material and unchanged III; the same result was obtained by refluxing 4 hrs. with 1% H₂SO₄-MeOH or by keeping several days in MeOH with 1.5 equivs. p-MeC₆H₄SO₃H. III (1.067 g.) in 100 cc. CHCl₃ treated with CH₂N₂-Et₂O and the product chromatographed on Al₂O₃ gave 95% 1-Me 2-(Tetralin pquinol) 3-nitrophthalate (V), m. 114-15.5° (1:1

C₆H₆cyclohexane). Crude V (3 millimoles) in 25 cc. MeOH treated with 60 cc. aqueous K₂CO₃, kept 5 days at room temperature, treated in the dark with H₂O and

CHCl₃, and the residue from the organic layer chromatographed on Al₂O₃ yielded 100 mg. yellow, partially crystalline mixture of polymethylene and diMe 3-nitrophthalate (VI), 283 g. crystalline VI, 250 mg. V, 40 mg. yellow oily mixture of III and I, and 140 mg. I. III (7.14 g.) in 250 cc. Me₂CO treated with 6.68 g. II in the min. amount of CHCl₃, concentrated in vacuo at 40° to about 100 cc., diluted with 150 cc. Me₂CO, again concentrated to 100 cc., diluted

with 40 cc. H₂O of 60°, concentrated to 120 cc., and refrigerated overnight gave 6.2 g. II salt; the salt (6.2 g.) in 20 cc. CHCl₃ diluted with 200 cc. Me₂CO and concentrated to 100 cc. at 40°, this treatment repeated, and the concentrate diluted with 40 cc. warm H₂O and refrigerated overnight gave 5.4 g. salt, [α]D₂₃ -12° (4:1 EtOH-CHCl₃), which recrystd. gave 4.3 g. salt, [α]D₂₅ -11° (4:1 EtOH-CHCl₃). II salt (4.5 g.), [α]D₄ -12°, in 100 cc. CHCl₃ shaken with five to seven 30cc. portions 2N HCl, concentrated to 4 cc., and filtered on the next day gave (+)-III, [α]D₂₅ 32° (c 1.25, EtOH), [α]D₆ 62° (c 1.25, dioxane), m. 173-4° (MeOH).

The original mother liquor evaporated, the residual II salt (7.5 g.), [α]D₂ 12° (EtOH-CHCl₃), dissolved in 20 cc. H₂O, and slowly evaporated gave 2.1 g. crystals, [α]D₄ 8° (EtOH-CHC₃a); the remaining mother liquor gave 5.6 g. II salt, [α]D₆ 14° (EtOH-CHCl₃); a 5-g. portion decomposed with 2N HCl yielded 1.81 g. (-)-III, m. 170-1° (CHCl₃), [α]D₆ -30° (c 0.93, EtOH), [α]D₅ -62° (c 1.69, dioxane). (+)-III (1.07 g.) treated with CH₂N₂-Et₂O, the resulting Me ester saponified with K₂CO₃ in MeOH, and the reaction product chromatographed gave 110 mg. (+)-V, m. 119-20°, [α]D₅ 114°, [α]D₆ 111° (c 1, dioxane). (-)-III (1.8 g.) gave similarly 92 mg. (-)-V, m. 118-19° (EtOAc), [α]D -12° (c 1, dioxane).

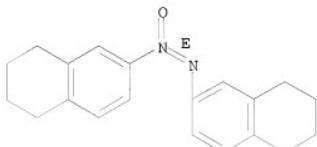
IT 1087735-80-5P

RL: SPN (Synthetic preparation); PRP (Properties); PREP (Preparation) (Chemistry of p-quinols. I. V. Stereochemistry of the Tetralin p-quinols and the estra-p-quin-10-ols)

RN 1087735-80-5 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Double bond geometry as shown.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

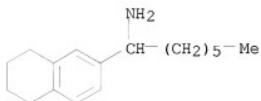
L5 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1960:97472 CAPLUS
 DOCUMENT NUMBER: 54:97472
 ORIGINAL REFERENCE NO.: 54:18451c-h
 TITLE: Derivatives of naphthalenes and fatty acids:
 heptanoylnaphthalenes and -naphthols
 AUTHOR(S): Jorand, J.
 SOURCE: Oleagineux (1960), 15, 183-8
 CODEN: OLEAAF; ISSN: 0030-2082
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The following derivs. of Me(CH₂)₅CO₂H, b₂ 134°, were prepared:
 Me(CH₂)₅COCl (I), b₂₅₋₂₇ 83-6°; Me(CH₂)₅CNH₂, m. 96-6.5°;
 Me(CH₂)₅CN (II), b₂₈₈₅, n_{20D} 1.4144; α-C₁₀H₇CO(CH₂)₅Me (III)
 (from II and α-C₁₀H₇MgBr), b_{0.01-0.02} 162-8°, n_{20D} 1.5715,
 n_{40D} 1.5640; III 2,4-dinitrophenylhydrazone m. 128.5;
 β-C₁₀H₇CO(CH₂)₅Me (IV) (by Friedel-Crafts), m. 60°, b_{0.02}
 155-8°; IV 2,4-dinitrophenylhydrazone m. 191.5-2°; IV
 p-nitrophenylhydrazone m. 174-5°; β-heptanoyl derivative (V) of
 Tetralin, b_{0.02} 152-4°, n_{20D} 1.5320, n_{40D} 1.5241; V
 2,4-dinitrophenylhydrazone m. 155.5°. The absorption spectra of
 the different dinitrophenylhydrazones were given. Also prepared were
 α-C₁₀H₇CH(OH)(CH₂)₅Me, n_{20D} 1.5692, n_{40D} 1.5609;
 β-C₁₀H₇CH(OH)(CH₂)₅Me, m. 35-7°; acetate m. 60°, n_{40D}
 1.5537; β-C₁₀H₁₁CH(OH)(CH₂)₅Me, n_{20D} 1.5241, n_{40D} 1.5172;
 α-C₁₀H₇CH(NH₂)(CH₂)₅Me, b_{0.02} 152-5°, n_{20D} 1.5702;
 hydrochloride m. 189.5-90.5°; picrate m. 201°;
 phenylthiourea derivative m. 141.5-2.0°; β-C₁₀H₇CH(NH₂)(CH₂)₅Me,
 b_{0.01} 168-70°, n_{20D} 1.5700; hydrochloride m. 199-200°;
 picrate m. 208-8.5°; phenylthiourea derivative m. 114-15°;
 β-C₁₀H₁₁CH(NH₂)(CH₂)₅Me, b_{0.02} 136-8°, n_{20D} 1.5720;
 hydrochloride m. 205.5-6.5°; styrphate m. 201-2°. I (75 g.)
 added at 10° to 72 g. α-C₁₀H₇OH and 70 g. ZnCl₂ in 300 cc.
 C₆H₅NO₂, the mixture kept 48 hrs. at room temperature, hydrolyzed with HCl-ice,
 the C₆H₅NO₂ layer decanted, distilled in vacuo, the residue extracted with 10%
 KOH solution, the fraction insol. in alkali washed with H₂O, and the product
 crystallized from 95% EtOH gave 1-HOC₁₀H₆CO(CH₂)₅Me-2 (VI), m. 52°
 (MeOH); 2,4-dinitrophenylhydrazone m. 216°. Also prepared were
 2-HOC₁₀H₆CO(CH₂)₅Me-1 (VII); C₁₀H₇CO(CH₂)₅Me-1 (from α-C₁₀H₇OH and
 I in C₆H₆pyridine), b_{0.02} 143-6°; C₁₀H₇CO(CH₂)₅Me-2 (VIII), b_{0.02}
 157-65°, m. 38°. VII (by Fries rearrangement of VII) b_{0.02}
 150-5°, n_{20D} 1.5922; 2,4-dinitrophenylhydrazone could not be
 obtained. AlC₁₃ (75 g.) added to 75 g. I and 79 g. 1-C₁₀H₇OMe in 400 cc.
 PhNO₂ with vigorous stirring at 0°, the complex hydrolyzed,
 neutralized, PhNO₂ distilled, and the raw product distilled in vacuo gave
 1-MeO₂C₁₀H₆CO(CH₂)₅Me-4 (IX), b_{0.02-0.05} 200-5°, m. 43°
 (MeOH); 2,4-dinitrophenylhydrazone m. 125.5. IX demethylated according to
 Buu-Hoi (CA 44, 4444f) at 200° with pyridine-HCl gave
 1-HOC₁₀H₆CO(CH₂)₅Me-4, m. 116°; 2,4-dinitrophenylhydrazone m.
 202°. 2-MeO₂C₁₀H₆CO(CH₂)₅Me-6 m. 70°, b_{0.02-0.05}
 170-80°; 2,4-dinitrophenylhydrazone m. 189°.
 2-HOC₁₀H₆CO(CH₂)₅Me-6 m. 135-5.5°; 2,4-dinitrophenylhydrazone m.
 251°.
 IT 860221-29-0P, Styrphic acid, compound with
 α-hexyl-5,6,7,8-tetrahydro-2-naphthalenemethylamine
 RL: PREP (Preparation)
 (preparation of)

10/513699

RN 860221-29-0 CAPLUS
CN 2-Naphthalenemethanamine, α -hexyl-5,6,7,8-tetrahydro-, compd. with
2,4,6-trinitro-1,3-benzenediol (1:1) (CA INDEX NAME)

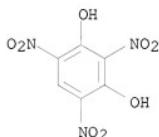
CM 1

CRN 101744-83-6
CMF C17 H27 N



CM 2

CRN 82-71-3
CMF C6 H3 N3 O8



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L5 ANSWER 21 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1960:50301 CAPLUS
 DOCUMENT NUMBER: 54:50301
 ORIGINAL REFERENCE NO.: 54:9854c-g
 TITLE: Possible antituberculous compounds. VII. Preparation of 5,6,7,8-tetrahydro-1(and 2)-naphthylamidines
 AUTHOR(S): Misra, Vinay S.; Husain, Md. Imtiaz
 CORPORATE SOURCE: Univ. Lucknow
 SOURCE: Journal of the Indian Chemical Society (1959
), (36), 803-6
 CODEN: JICSAH; ISSN: 0019-4522
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C.A. 50, 15476g. The observation of Oxley and Peak (cf. Charlton, et al., C.A. 46, 2005a) that N-(1-naphthyl)benzimidine (I) had much greater antitubercular activity than α -naphthylamine (II) led M. and H. to prepare the title compds. whose surface area and lipoid solubility were greater than those of I. II (10 g.) in 112 g. boiling amyl alc. was added in a continuous stream to 8 g. Na, the mixture heated on a steam bath until all the Na had disappeared, the product poured into water, the upper layer separated, the bases converted into HCl salts, dissolved in hot water, treated with excess NaOH, and the organic layer washed and distilled to give 4.5 g. 5,6,7,8-tetrahydro-1-naphthylamine (III), b2-3 135°; Ac derivative m. 158° (water). β -Naphthylamine (10 g.) was similarly reduced to 4 g. 5,6,7,8-tetrahydro-2-naphthylamine (IV), b2 160°. A stirred solution of 4.0 g. III in 150 cc. dry Et2O was treated dropwise with 5 g. PhSO3H in MeOH, the product filtered off, and crystallized from hot water to give 7.5 g. 5,6,7,8-tetrahydro-1-naphthyl-ammonium benzenesulfonate (V), m. above 275°, dark brown amorphous powder. IV (4.0 g.) and 5 g. PhSO3H gave 3.0 g. 5,6,7,8-tetrahydro-2-naphthylammonium benzenesulfonate, m. 194°, light brown amorphous powder. The sulfonates were fused at 230-5° with the required nitriles to give the desired amidinium benzenesulfonates; subsequent treatment with base gave the free amidines (aryl group, % yield, m.p., color, m.p. of benzenesulfonate, its % yield, and color given): Ph, 86, 95-6°, brown, 235-6°, 23, yellow; o-tolyl, 79,246°, white, 260-1°, 22, brown; m-tolyl, 6, 180°, dark brown, - (would not crystallize), -; p-tolyl, 6, above 280°, brown, -(would not crystallize), -; α -naphthyl, 77, 210°, black, 270°, 26, black. The corresponding 2-amidines (same data given): o-tolyl, 90, 115°, brown, above 285°, 10%, brown; m-tolyl, 46, above 290°, light green, - (would not crystallize), -; p-tolyl, 80, 150°, dark brown, above 270°, 28, brown; α -naphthyl, 64, above 280°, black, above 270°, 48, black; Ph, -, 285°, 12, white.
 IT 853648-64-3P, 2-Naphthylamine, 5,6,7,8-tetrahydro-, compound with benzenesulfonic acid
 RL: PREP (Preparation)
 (preparation of)
 RN 853648-64-3 CAPLUS
 CN 2-Naphthalenamine, 5,6,7,8-tetrahydro-, benzenesulfonate (1:1) (CA INDEX NAME)

CM 1

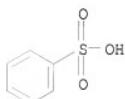
CRN 2217-43-8
CMF C10 H13 N

10/513699



CM 2

CRN 98-11-3
CMF C6 H6 O3 S



L5 ANSWER 22 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1960:45099 CAPLUS

DOCUMENT NUMBER: 54:45099

ORIGINAL REFERENCE NO.: 54:8954e-h

TITLE: Liberation of bradykinin from plasma by treatment with peptone or by boiling with hydrochloric acid

AUTHOR(S): Rocha e Silva, M.; Holzacker, Elisabeth L.

CORPORATE SOURCE: Inst. biol., Sao Paulo, Brazil

SOURCE: Archives Internationales de Pharmacodynamie et de Therapie (1959), 122, 168-79

DOCUMENT TYPE: CODEN: AIPATK; ISSN: 0003-9780

LANGUAGE: Journal

English

AB Different fractions of peptone (proteose-peptone, Difco) were obtained by chromatography on the ion exchange resin Amberlite IRC-50. A fraction eluted at pH 7.8 (1.5 g. from about 30 g. of peptone) showed the greatest activity in releasing bradykinin (I) when incubated with heparinized rat plasma. It was also the most active fraction as a histamine releaser. Plasma from rats, when heated 1-10 min. with 0.1N HCl, developed full I activity upon neutralization and incubation at room temperature or at 37°. This spontaneous release of I was enzymic in nature and was inhibited by soy-bean trypsin inhibitor. The material released by HCl or by the peptone fraction was identified as I by parallel assays on the guinea pig ileum, on the uterus of the rat (the most sensitive method), or by effects of the blood pressure of rabbits. Since the release of I from denatured plasma by trypsin and by snake venom is parallel to the resp. esterase activities of these agents against benzoyl-L-arginine methyl ester, the release of I might provide a very sensitive indication of activation of an enzyme in plasma displaying a similar activity. 18 references.

IT 856631-76-0P, Benzamidine, N-[5,6,7,8-tetrahydro-2-naphthyl]-, compds. with benzenesulfonic acid

RL: PREP (Preparation)
 (preparation of)

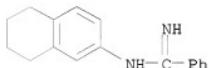
RN 856631-76-0 CAPLUS

CN Benzenecarboximidamide, N-(5,6,7,8-tetrahydro-2-naphthalenyl)-, benzenesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 109249-02-7

CMF C17 H18 N2

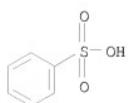


CM 2

CRN 98-11-3

CMF C6 H6 O3 S

10/513699

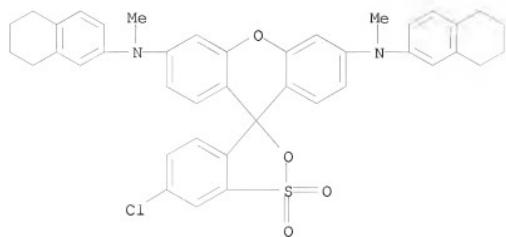


L5 ANSWER 23 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1956:75767 CAPLUS
 DOCUMENT NUMBER: 50:75767
 ORIGINAL REFERENCE NO.: 50:14237f-i,14238a-b
 TITLE: Triphenylmethane dyes
 PATENT ASSIGNEE(S): Farberke Hoechst AG vorm. Meister Lucius & Bruning
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

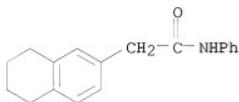
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 744972		19560215	GB 1951-17267	19510720 <--
AB	3,6-Diamino-9-(2-sulfophenyl)xanthene dyes, whose amino groups can be substituted by aliphatic or aromatic radicals or whose N may be a member of a heterocyclic ring, are prepared To improve their solubility, the dyes can be further sulfonated. They dye wool and silk in red to blue tints of very good fastness to light and alkalies.			
	3,6-Dihydroxy-9-(2-sulfophenyl)xanthene (I) 10 is heated with POC13, the excess POC13 is removed by distillation, and the resulting yellow 3,6-dichloro-9-(2-sulfophenyl)xanthene (II) is treated with PhNH2 30 parts several hrs. at 100°. The excess PhNH2 is extracted from the melt with HCl and the dye isolated. After drying it is sulfonated with 95% H2SO4 until it dissolves in dilute Na2CO3, and isolated by pouring into H2O, filtering, dissolving in dilute Na2CO3, and salting out. It dyes a clear violet. The following shades are obtained by replacing PhNH2: red-violet with o-toluidine (III); bright-red with 2,6-Me2C6H3NH2, 2-MeC6H4NHET, 2-MeC6H4NHMe, (HOCH2CH2)2NH, or piperidine; reddish blue with 4-EtOC6H4NH2 and a still bluer shade with 2-naphthylamine (IV); violet with 2-NaO3SC6H4OC6H4NH2-4; reddish violet with 2-HO3SC6H4NH2 in glycol; red-violet with 3-C1C6H4NH2; clear violet with 2-MeOC6H4NH2, 2-EtOC6H4NH2, 2,4-H2N(C1)C6H4OC6H5(V), or 1-naphthylamine (VI); and navy blue by replacing PhNH2 with 2,3-HO(HOOC)(HO3S)C6H2NH2 or 2,3,5-HO(HOOC)(HO3S)C6H2NH2 in glycol but without after-sulfonation. I 10 is heated to 130° with 2,4-Me2C6H3NH2 50 in the presence of POC13 10 parts, heated till the color no longer deepens, and the dye is isolated by dissolving out the amine. It dyes wool violet. Similar dyes are also obtained by using 3,6-dichloro-9-(2,4-disulfonylphenyl)xanthene (VII) instead of II. VII gives with III, after sulfonation, a soluble clear red-violet dye, with m-toluidine a navy-blue dye, and similar violet shades with VI, various xylidines, chloro- and bromoanilines. A greenish dye is made from VII with IV or 2,3-HO(HOOC)C6H3NH2, blue to violet shades with V, 3,4-HOOC(HO)C6H3NH2 or 2,5,4-Me2(HO3S)C6H2NH2, red-violet to blue-violet shades with 2,4,5-Me2(HO3S)C6H2NH2 or 2,4,6-Me2(HO3S)C6H2NH2, a gray-blue with 4-H2NC6H4NHCH6H5, and a red with 4(or 5)-chloro-2-aminobenzotrifluoride. Similar dyes are also obtained by the same process from II substituted in the benzene ring by a p-ethoxy, a p-chloro-, a 4-hydroxy, and a 3-carboxylic acid group.			
IT	853780-16-2P, Benzenesulfonic acid, 5-chloro-2-[9-hydroxy-3,6-bis[methyl(5,6,7,8-tetrahydro-2-naphthyl)amino]-9-xanthenyl]-, γ-sultone			
	RL: PREP (Preparation) (preparation of)			
RN	853780-16-2 CAPLUS			
CN	Spiro[3H-2,1-benzoxathiole-3,9'-[9H]xanthene]-3',6'-diamine, 6-chloro-N3',N6'-dimethyl-N3',N6'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)-,			

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1,1-dioxide (CA INDEX NAME)



L5 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1956:40401 CAPLUS
 DOCUMENT NUMBER: 50:40401
 ORIGINAL REFERENCE NO.: 50:7803c-f
 TITLE: Chloromethylation of tetralin
 AUTHOR(S): Vanags, G.; Gudriniece, E.
 SOURCE: Latvijas PSR Zinatnu Akademijas Vestis (1955
), (No. 5 (Whole No. 94)), 119-24
 CODEN: LZAVAL; ISSN: 0132-6422
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 AB Tetralin (66 mg.), 28 g. (CH₂O)_n, 65 ml. glacial AcOH, 33 g. crystalline H₃PO₄, and 91 ml. concentration HCl at 85-90° stirred 4 hrs. gave 66% 1,2,3,4-tetrahydro-6-chloromethylnaphthalene (I). With excess II, 10% 5,8-bis(chloromethyl)-1,2,3,4-tetrahydronaphthalene was obtained in addition to I. The 6-piperidinomethyl analog (II of I) was prepared by treating I in Et₂O with piperidine at room temperature II decomposed on distillation
 Bubbling dry HCl through II in Et₂O gave II.HCl, very hygroscopic. II picrate, m. 150°. 1-(1,2,3,4-Tetrahydro-6-naphthylmethyl)pyridinium chloride, m. 115°, was prepared (88.5% yield) from 7.2 g. I, 20 ml. absolute Et₂O, and dry pyridine. H₂N(CSR):NH.HCl (R = 1,2,3,4-tetrahydro-6-naphthylmethyl), m. 212°, was prepared (96% yield) by heating 7.2 g. I with 6 g. thiourea. RCO₂H was prepared (42% yield) refluxing crude I with KCN in H₂O, and hydrolyzing the nitrile with aqueous NaOH; the hydrolysis was aided, and formation of resinous products was minimized by adding small amts. of 3% H₂O₂ at intervals. RCONHPh, m. 112°, was obtained by method similar to that described (C.A. 50, 271f).
 IT 860396-36-7P, 2-Naphthaleneacetanilide, 5,6,7,8-tetrahydro-
 RL: PREP (Preparation)
 (preparation of)
 RN 860396-36-7 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-phenyl- (CA INDEX NAME)

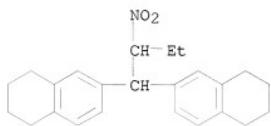


L5 ANSWER 25 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1956:10063 CAPLUS
 DOCUMENT NUMBER: 50:10063
 ORIGINAL REFERENCE NO.: 50:2116a-d
 TITLE: 1-Aryl derivatives of
 2-nitro-1-(5,6,7,8-tetrahydro-2-naphthyl)alkanes and
 their use as insecticides
 INVENTOR(S): Johnson, Arnold N.
 PATENT ASSIGNEE(S): Commercial Solvents Corp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

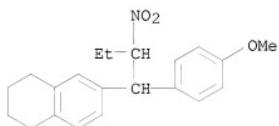
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
US 2719810	-----	19551004	US	<--		
AB	Compsd. of the type XCH(Ar)CH(NO ₂)R, in which X is 5,6,7,8-tetrahydro-2-naphthyl, R is Me or Et, and Ar is a substituted Ph group, were prepared, emulsified in xylene, and tested for insecticidal properties by spraying on flies and on beans which were then fed to the Mexican bean beetle, the Southern army worm, and the pea aphid. In a typical preparation, 41 g. 2-nitro-1-p-tolyl-1-propanol was added to a mixture of	102 g. 1,2,3,4-tetrahydronaphthalene and 100 ml. concentrated H ₂ SO ₄ in 20 min. at 20-5°. The mixture was agitated for 1 hr. The top layer was steam distilled to yield 49.5 g. 2-nitro-1-p-tolyl-1-(5,6,7,8-tetrahydro-2- naphthyl)propane, a thick oily product. Six g. of this product recrystd. from petroleum hexane, then from EtOH to give 0.7 g. of a white solid, m. 114-15°. In a similar manner, the following compds. were prepared and tested: 2-nitro-1-(p-chlorophenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(p-chlorophenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)propane, 2-nitro-1-p-tolyl-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(p-methoxyphenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(3,4-methylenedioxyphenyl)-1-(5,6,7,8- tetrahydro-2-naphthyl)butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(p-ethylphenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(p-isopropylphenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, 2-nitro-1-(diethylphenyl)-1-(5,6,7,8-tetrahydro-2- naphthyl)butane, and 2-nitro-1-xylyl-1-(5,6,7,8-tetrahydro-2- naphthyl)butane.	IT	854459-68-0, Butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2- naphthyl)- 855952-07-, Anisole, p-[2-nitro-1-(5,6,7,8-tetrahydro-2-naphthyl)butyl]- 858199-39-0 , Naphthalene, 1,2,3,4-tetrahydro-6-[p-isopropyl-a-(1- nitropropyl)benzyl]- 858199-45-8, Naphthalene, 1,2,3,4-tetrahydro-6-[p-methyl-a-(1-nitropropyl)benzyl]- 858458-47-6, Naphthalene, 6-[p-ethyl-a-(1- nitropropyl)benzyl]-1,2,3,4-tetrahydro- 958459-74-2, Naphthalene, 1,2,3,4-tetrahydro-6-[a-(1-nitropropyl)piperonyl]- 858459-78-6, Naphthalene, 1,2,3,4-tetrahydro-6-(p-methyl-a-1- nitroethylbenzyl)- 860366-28-5, Naphthalene, 6-(p-chloro-a-1-nitroethylbenzyl)-1,2,3,4-tetrahydro- 860395-78-4, Naphthalene, 6-[p-chloro-a-(1- nitropropyl)benzyl]-1,2,3,4-tetrahydro- (insecticide)	RN	854459-68-0 CAPLUS

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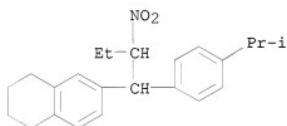
CN Butane, 2-nitro-1,1-bis(5,6,7,8-tetrahydro-2-naphthyl)- (5CI) (CA INDEX NAME)



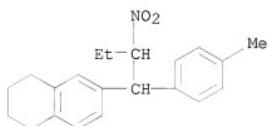
RN 855952-07-7 CAPLUS
CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methoxyphenyl)-2-nitrobutyl]- (CA INDEX NAME)



RN 858199-39-0 CAPLUS
CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-[4-(1-methylethyl)phenyl]-2-nitrobutyl]- (CA INDEX NAME)



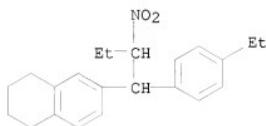
RN 858199-45-8 CAPLUS
CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methylphenyl)-2-nitrobutyl]- (CA INDEX NAME)



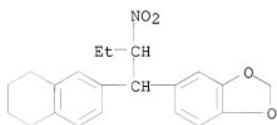
RN 858458-47-6 CAPLUS
CN Naphthalene, 6-[1-(4-ethylphenyl)-2-nitrobutyl]-1,2,3,4-tetrahydro- (CA INDEX NAME)

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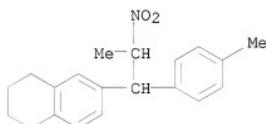
INDEX NAME)



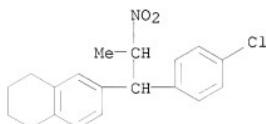
RN 858459-74-2 CAPLUS
CN 1,3-Benzodioxole, 5-[2-nitro-1-(5,6,7,8-tetrahydro-2-naphthalenyl)butyl]-
(CA INDEX NAME)



RN 858459-78-6 CAPLUS
CN Naphthalene, 1,2,3,4-tetrahydro-6-[1-(4-methylphenyl)-2-nitropropyl]- (CA
INDEX NAME)

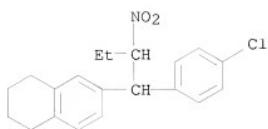


RN 860366-28-5 CAPLUS
CN Naphthalene, 6-[1-(4-chlorophenyl)-2-nitropropyl]-1,2,3,4-tetrahydro- (CA
INDEX NAME)



RN 860395-78-4 CAPLUS
CN Naphthalene, 6-[1-(4-chlorophenyl)-2-nitrobutyl]-1,2,3,4-tetrahydro- (CA
INDEX NAME)

10/513699



L5 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1955:56624 CAPLUS
 DOCUMENT NUMBER: 49:56624
 ORIGINAL REFERENCE NO.: 49:10906e-i,10907a-d
 TITLE: Use of 1,3-dichloro-2-butene for the synthesis of some ketone derivatives of bicyclo[1.3.3]nonene and of hexahydronaphthalene
 AUTHOR(S): Julia, Sylvestre A.
 CORPORATE SOURCE: Ecole polytech., Paris Ve
 SOURCE: Bulletin de la Societe Chimique de France (1954) 780-9
 CODEN: BSCFAS; ISSN: 0037-8968
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 49:56624
 AB The condensation of cyclohexanone and its derivs. with 1,3-dichloro-2-butene (I) and the subsequent cyclization of these products was studied with particular reference to steric effects and orientation. 2-Methylcyclohexanone (12 g.) and 12.5 g. I in 50 cc. C6H6 agitated and cooled with ice, 2N Na amylate added slowly, the mixture kept at room temperature for 1 hr., and then refluxed for 3 hrs. gave 2-methyl-2(γ -chlorocrotyl)cyclohexanone (II), b14 130°, n17D 1.4941; semicarbazone, m. 153-5°; 2,4-dinitrophenylhydrazone, m. 133-5°. 1,4-Dimethylbicyclo[3.3.1]non-3-en-9-one, b19 106-35° (semicarbazone, m. 204-6°); 2,4-dinitrophenylhydrazone, m. 151-3°, was obtained by treating 5 g. of II with 10 cc. concentrated H2SO4. A small amount of Δ 1(9)-10-methyl-2-octalone was obtained on chromatographing the mother liquor from the hydrazone on alumina. Similarly on treatment with I, cyclohexanone gave 2-(γ -chlorocrotyl)cyclohexanone, which cyclized to 4S Δ 1(9)-2-octalone and 4-methylbicyclo[3.3.1]non-3-en-9-one, b15 110-15°; semicarbazone, m. 215-17°; 2,4-dinitrophenylhydrazone, m. 199-201°. Similarly isophorone (III) and I gave 3,5,5-trimethyl-2-(γ -chlorocrotyl)cyclohex-2-en-1-one, b18 159°, n15D 1.5095; semicarbazone, 134-6°; 2,4-dinitrophenylhydrazone, m. 133-5°, which on treatment with H2SO4 gave 3,5,5-trimethyl-2-(3-oxobutyl)cyclohex-2-en-1-one (IV), b0.1 102°, n15D 1.4924; disemicarbazone, m. 199-201°; mono-2,4-dinitrophenylhydrazone, m. 170-20°. IV on ozonization gave 3,3-dimethyl-5-oxohexanoic acid (V), the same product obtained by KMnO4 oxidation of III. Condensation of III with CH2:CHCN in the presence of Na tert-amylate gave 3,5,5-trimethyl-2-(γ -cyanoethyl)cyclohex-2-en-1-one (VI), b0.5 124-5°, n21D 1.4930; semicarbazone, m. 189-92°; 2,4-dinitrophenylhydrazone, m. 162-4°. VI was also ozonized to V. VI on saponification gave the corresponding acid, 3,5,5-trimethyl-2-(γ -carboxyethyl)cyclohex-2-en-1-one (VII), m. 74-6°; semicarbazone, m. 211-13°. Condensation of III with Me acrylate gave the Me ester of VII, b15 166-7°; 2,4-dinitrophenylhydrazone, m. 124-6°. Saponification of the ester gave a substance m. 144-7, probably a lactone. IV on treatment with NaOMe in MeOH gave 5,7,7-trimethyl-2-oxo-2,3,4,6,7,8-hexahydronaphthalene (VIII), b0.1 105°, n19D 1.5542; semicarbazone, m. 206-10°; 2,4-dinitrophenylhydrazone, m. 170-2°. VIII was hydrogenated over PtO2 to 5,7,7-trimethyl-2-decalol, m. 133-5°, which was in turn oxidized by the method of K. Bowden, et al. (C.A. 40, 2787.8), to the

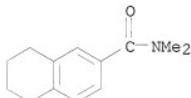
corresponding ketone; 2,4-dinitrophenylhydrazone, m. 156-9°. Dihydroisophorone and I gave 3,5,5-trimethyl-2-(γ -chlorocrotyl) cyclohexanone, b15 149°, n20D 1.4851 (semicarbazone, m. 136-8°; 2,4-dinitrophenylhydrazone, m. 110-12°), which on treatment with H2SO4 yielded A1(9)-5,7,7-trimethyl-2-octalone, b18 154°, n22D 1.5088 (semicarbazone, m. 205-8°; 2,4-dinitrophenylhydrazone, m. 184-5°). 3-Methyl-2-cyclohexen-1-one also condensed with I to form 3-methyl-2-(γ -chlorocrotyl)cyclohex-2-en-1-one, b13 146°, n21D 1.5242 (semicarbazone, m. 194-7°; 2,4-dinitrophenylhydrazone, m. 123-4°), which on treatment with H2SO4 yielded 3-methyl-2-(3-oxobutyl)cyclohex-2-en-1-one (IX), b14 153-4°, n18D 1.5052. IX on refluxing with Na in MeOH gave 5-methyl-2-oxo-2,3,4,6,7,8-hexahydronaphthalene, b14 156-8°, n19D 1.5738; semicarbazone, m. 195-7°; 2,4-dinitrophenylhydrazone, m. 191-4°. 4-Carbethoxy-3-methylcyclohex-2-en-1-one and I gave 4-carbethoxy-3-methyl-2-(γ -chlorocrotyl)cyclohex-2-en-1-one (X), b0.8 151-3°; semicarbazone, m. 142-4°; 2,4-dinitrophenylhydrazone, m. 122-3°. X was treated with H2SO4 and the neutral fraction heated with EtONa to obtain 5-methyl-2-oxo-6-carboxy-2,3,4,6,7,8-hexahydronaphthalene, m. 124-6°; 2,4-dinitrophenylhydrazone of the Me ester, m. 142-5°. (47 references.)

IT 872797-91-6P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-dimethyl-

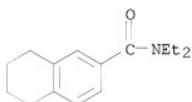
RL: PREP (Preparation)
(preparation of)

RN 872797-91-6 CAPLUS

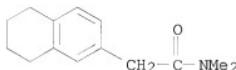
CN 2-Naphthalenencarboxamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX NAME)



L5 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1955:56623 CAPLUS
 DOCUMENT NUMBER: 49:56623
 ORIGINAL REFERENCE NO.: 49:10906c-e
 TITLE: Syntheses and pharmacological action of Tetralin derivatives
 AUTHOR(S): Fujimura, I. Hajime; Ueshima, Takaji; Fujisawa,
 Toshikazu; Sugii, Michiyasu; Yaze, Toru
 CORPORATE SOURCE: Univ. Kyoto
 SOURCE: Yakugaku Zasshi (1954), 74, 954-6
 CODEN: YKZAJ; ISSN: 0031-6903
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The following Tetralin derivs. are prepared: R1CH₂COCl (R1 =
 5,6,7,8-tetrahydro-1-naphthyl), b9 141-2°; R2CH₂COCl (R2 =
 5,6,7,8-tetrahydro-2-naphthyl), b9 144-5°. R1CH₂CONR₂ (R given):
 H, m. 135-7°; Me, b8.5 166-8°, m. 96-8°; Et, b8.5
 194-6°. R1CH₂CO₂CH₂CH₂NR₂.HCl (R given): Me, m. 111-13°;
 Et, m. 99-101°; R2CH₂CONR₂ (R given): H, m. 138-40°; Me,
 b5.5 168-70°; Et, b4.5 167-70°; R2CH₂CO₂CH₂CH₂NR₂.HCl (R
 given): Me, m. 88-90°; Et, m. 78-80°. R2CONR₂ (R given): H,
 m. 128-31°; Me, b6.5 163-5°; Et, b6.5 167-70°, m.
 67-9°. R2CO₂CH₂CH₂NR₂.HCl (R given): Me, m. 123-6°; Et, m.
 99-102°. Curarimetic, analgesic, local anesthetic, and temperature
 depressing actions of these products are given, although such actions are
 not great.
 IT 856056-80-9P, 2-Naphthamide, N,N-diethyl-5,6,7,8-tetrahydro-
 858199-34-5P, 2-Naphthaleneacetamide,
 5,6,7,8-tetrahydro-N,N-dimethyl- 858459-67-3P,
 2-Naphthaleneacetamide, N,N-diethyl-5,6,7,8-tetrahydro-
 872797-91-6P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-dimethyl-
 RL: PREP (Preparation)
 RN 856056-80-9 CAPLUS
 CN 2-Naphthalenecarboxamide, N,N-diethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)

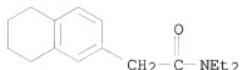


RN 858199-34-5 CAPLUS
 CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX NAME)

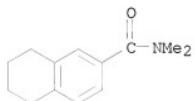


RN 858459-67-3 CAPLUS
 CN 2-Naphthaleneacetamide, N,N-diethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)

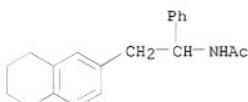
10/513699



RN 872797-91-6 CAPLUS
CN 2-Naphthalenecarboxamide, 5,6,7,8-tetrahydro-N,N-dimethyl- (CA INDEX
NAME)

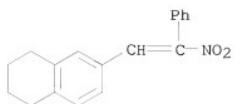


L5 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1954:61453 CAPLUS
 DOCUMENT NUMBER: 48:61453
 ORIGINAL REFERENCE NO.: 48:10920c-e
 TITLE: Further investigation on the mitosis-poison action of dihydrostilbylamine derivatives
 AUTHOR(S): Lettre, Hans; Delitzsch, Ingrid
 CORPORATE SOURCE: Univ. Gottingen, Germany
 SOURCE: Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (1952), 289, 220-5
 CODEN: HSZPAZ; ISSN: 0018-4888
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C.A. 37, 5784.8(1943). Phenylnitromethane and 3,4-ethylenedioxybenzaldehyde are condensed in the presence of CH₃NH₂-HCl to give 3',4'-ethylenedioxy-a-nitrostilbene, m.p. 142-3°; this compound is reduced with Zn dust and AcOH and subsequently Na-Hg to give the corresponding dihydrostilbylamine-HCl, m.p. 225-8°. Its activity against in vitro fibroblasts (0.75 γ/ml.) is 4 times that of the corresponding dioxymethylene compound (3 γ/ml.). N-Methylformanilide and POCl₃ are treated with catechol tetramethylene ether; the aldehyde obtained by this method is condensed with phenylnitromethane and reduced to give 3',4'-tetramethylenedioxydihydrostilbylamine. This compound shows no mitosis-poison activity. The 4'-methoxy derivative shows activity at 4-5 γ/ml., 4'-methylstilbylamine at 10 γ/ml., 3',4'-trimethylenedihydrostilbylamine at 10 γ/ml. The two latter compds. are prepared from the formyl derivs. of hydrindene and Tetralin, resp. No mitosis-poison effect was shown by the corresponding aromatic compds. made from 1- and 2-naphthaldehydes. This is an opposite trend as observed for the carcinogenic properties of benzopyrene, which is very active compared with its tetrahydro derivative
 IT 855928-78-8P, Acetamide,
 N-[a-[(5,6,7,8-tetrahydro-2-naphthyl)methyl]benzyl]-
 858459-72-0P, Naphthalene,
 1,2,3,4-tetrahydro-6-(β-nitrostyryl)-
 RL: PREP (Preparation)
 (preparation of)
 RN 855928-78-8 CAPLUS
 CN Acetanide, N-[1-phenyl-2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



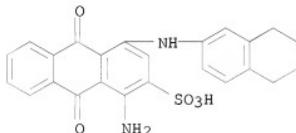
RN 858459-72-0 CAPLUS
 CN Naphthalene, 1,2,3,4-tetrahydro-6-(2-nitro-2-phenylethenyl)- (CA INDEX NAME)

10/513699



L5 ANSWER 29 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1954:48257 CAPLUS
 DOCUMENT NUMBER: 48:48257
 ORIGINAL REFERENCE NO.: 48:85511,8552a-b
 TITLE: Acid fulling dyes of the anthraquinone series
 PATENT ASSIGNEE(S): Sandoz Ltd.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 699781		19531118	GB 1951-19700	19510821 <--
AB Compds. having the formula 1,2,4-H2N(MO3S) (RHN)C14H502 (I), where M is H, NH4. Li, Na, or K and R is substituted or unsubstituted tetrahydronaphthyl or C6H4NHCOPh, are brominated to give acid fulling dyes. Thus, Na 1-amino-4-(1,2,3,4-tetrahydro-5-naphthylamino)-2-anthraquinonesulfonate 47 (obtained by condensing the Na 1-amino-4-bromo-2-anthraquinonesulfonate in H2O with Cu as a catalyst with 5-amino-1,2,3,4-tetrahydronaphthalene) is dissolved in 90% H2SO4 1500, treated with Br 26, and the mixture stirred for 6 hrs. at room temperature and then 3 hrs. at 60° to give a brominated dye (II). I dyes wool and other animal fibers as well as nylon with a red-tinted blue tint. Other dyes are similarly obtained by brominating I, where R = 1,2,3,4-tetrahydro-6-naphthyl, p-PhCONHC6H4, p-(p-NH2C6H4CONH)C6H4, p-[2,5-C1(ACNH)C6H3CONH]C6H4, p-[3,4-Me(H2N)C6H3CONH]C6H4, and p-(p-FC6H4CONH)C6H4.				
IT 859335-68-5	2-Anthraquinonesulfonic acid, 1-amino-4-[5,6,7,8-tetrahydro-2-naphthylamino]- (and bromine derivs.)			
RN 859335-68-5	CAPLUS			
CN 2-Anthracenesulfonic acid, 1-amino-9,10-dihydro-9,10-dioxo-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)				



L5 ANSWER 30 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1952:54594 CAPLUS

DOCUMENT NUMBER: 46:54594

ORIGINAL REFERENCE NO.: 46:90921,9093a-i

TITLE: Carcinogenic nitrogen compounds. IX. The use of aminotetralins for the synthesis of dibenzacridines and related compounds

AUTHOR(S): Buu-Hoi, Ng. Ph.; Jacquignon, Pierre

CORPORATE SOURCE: Univ. Paris

SOURCE: Journal of the Chemical Society (1951) 2964-8

CODEN: JCSOA9; ISSN: 0368-1769

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB 5,6,7,8-Tetrahydro-2-naphthylamine (I) (preparation given) yields a p-toluenesulfonate, m. 137°, and a N-(N-acetyl sulfanilyl) derivative, m. 216°. 6-Acetyl-1,2,3,4-tetrahydronaphthalene (100 g.) on Huang-Minlon reduction gives 70 g. 6-ethyl-1,2,3,4-tetrahydronaphthalene (II), b. 239°; with AcCl and AlCl₃ in CS₂ II yields 6-acetyl-7-ethyl-1,2,3,4-tetrahydronaphthalene, pale yellow, b17, 188°; semicarbazone, m. 134-5°; thiourea, m. 123°; oxime (III), m. 128°. III (33 g.), and 30 g. PCl₅ in 80 cc. ether give 32.5 g. of the N-Ac derivative, m. 166°, of 3-ethyl-5,6,7,8-tetrahydro-2-naphthylamine (IV), pale yellow, b16 175°; HCl salt, m. 147°; p-toluenesulfonate, m. 130°; N-(N-acetyl sulfanilyl) derivative, m. 201°. I (5 g.), 5 g. 1-C₁₀H₇OH, and 0.75 g. (HCHO)₃ give 2 g. 1'',2'',3'',4''-tetrahydro-1,2:7,8-dibenzacridine (V), pale yellow, m. 118° [picrate, orange-red, m. 257° (decomposition)]; 0.5 g. V and 0.3 g. Se, heated 3 h. at 350°, give 1,2:7,8-dibenzacridine, pale yellow, m. 129° [picrate, brick-red, m. 266° (decomposition)]; 2-C₁₀H₇OH gives 4 g. 1'',2'',3'',4''-tetrahydro-2,3:6,7-dibenzacridine (VI), pale yellow, m. 145°. 6,2-(tert-Bu)C₁₀H₆OH (2.2 g.) gives about 3 g. of the 3'-tert-Bu derivative of VI, pale yellow, m. 128° (picrate, orange, decompose above 231°). I (7.5 g.), 12.5 g. 1-C₁₀H₇OH, and 0.1 g. iodine, heated 5 h. at 240-5°, give 12 g. N-(5,6,7,8-tetrahydro-2-naphthyl)-1-naphthylamine (VII), yellow, b16 285-90°; 2-C₁₀H₇OH yields the 2-isomer (VIII), b16 304-5°, m. 96°. VII (2 g.), 2 g. Ac₂O, and 2 g. ZnCl₂, heated 6 h. at 180-90°, and the product treated with hot aqueous NaOH and extracted with PhMe, give 1.5 g. 1'',2'',3'',4''-tetrahydro-5-methyl-1,2:7,8-dibenzacridine, pale yellow, m. 130° (picrate, orange-yellow, m. 251°); (ETCO)₂ 20 gives the 5-Et homolog, yellow, m. 114° (picrate, orange-yellow, m. 223°). VIII (5 g.), Ac₂O, and ZnCl₂ give 3 g. 1'',2'',3'',4''-tetrahydro-5-methyl-2,3:6,7-dibenzacridine, pale yellow, m. 166° (picrate, brownish red, m. 272-3°); 5-Et homolog, pale yellow, m. 171° (picrate, bright red, m. 253°). VII (4 g.) and 2 g. AsCl₃ in 20 cc. o-C₆H₄C₁₂, refluxed 2 h., give 3.7 g. 10-chloro-1'',2'',3'',4'',5,10-hexahydro-2,3:6,7-dibenzophenarsazine, orange-yellow, m. 264°; with MeMgI this yields 1'',2'',3'',4'',5,10-hexahydro-10-methyl-2,3:6,7-dibenzophenarsazine, m. 226°; 10-Et homolog, m. 157°. VIII (4 g.) yields 3.7 g. 1'',2'',3'',4'',5,10-hexahydro-2,3:6,7-dibenzophenarsazine, orange yellow, m. 260°; the 10-Et derivative, m. 200°, and the 10-Et homolog, m. 146°. IV (4 g.), 4 g. 1-C₁₀H₇OH, and 0.75 g. (HCHO)₃ give 9-ethyl-1'',2'',3'',4''-tetrahydro-1,2:6,7-dibenzacridine, pale greenish yellow, m. 132° (picrate, orange-red, m. 173°); heated with

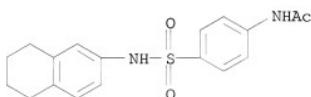
Se (3 h. at 350°), this yields 9-ethyl-1,2:6,7-dibenzacridine, pale yellow, m. 110° (picrate, light orange, m. 256°). IV and 2-C10H7OH with (HCHO)3 give 1-ethyl-1',2',3',4'-tetrahydro-3,4:6,7-dibenzacridine (IX), yellow, m. 140° (picrate, orange, m. 298°); 0.5 g. IX and 0.3 g. Se give 0.3 g.
 1-ethyl-3,4:6,7-dibenzacridine, pale yellow, m. 158° (picrate, yellow, m. 276°). 6,2-(tert-Bu)C10H6OH, IV, and (HCHO)3 give 3''-tert-butyl-1',2',3',4'-tetrahydro(3,4:6,7)dibenzacridine, yellow, m. 154° (picrate, orange yellow, m. 257-8°). I (5 g.), 5 g. Ac2CH2, and 3 drops AcOH, heated 16 h. at 170-80° give 5 g.
 2,5-dimethyl-1-(5,6,7,8-tetrahydro-2-naphthyl)pyrrole, pale yellow, b16 200-2°, nD21.5 1.5790; IV yields 5 g. of the 1-(3-ethyl-5,6,7,8-tetrahydro-2-naphthyl) homolog, pale yellow, b17, 215-16°. IV (2 g.) and 2 g. Ac2CH2, refluxed 2 h., and the cold solution treated with 12 cc. H2SO4 and heated 1 h. on the water bath, give 1.8 g. 8-ethyl-1',2',3',4'-tetrahydro-2,4-dimethyl-5,6-benzoquinoline, pale yellow, b17, 214-16°, nD21.5 1.6125 (picrate, yellow, m. 223-4°). 5,6,7,8-Tetrahydro-2-naphthylhydrazine-HCl (1 g.), 1 g. 1-indanone, and 1 g. AcONa in 20 cc. EtOH, refluxed 1 h. and the crude hydrazone heated a few sec. with HCl in AcOH, give 1 g.
 1'',2'',3'',4''-tetrahydro-5,6-benzindeno(3',2':2,3)indole, m. 297°; 1 g. 3,4-dihydro-1(2H)-naphthalenone yields 1.2 g.
 1'',2'',3,3'',4,4''-hexahydro-1,2:6,7-dibenzocarbazole, m. 190° (picrate, brown-violet, m. 173°); 1 g.
 1-oxo-1,2,3,4,5,6,7,8-octahydroanthracene gives 1.5 g.
 1'',2'',3,3'',4,4'',5'',6'',7'',8''-decahydro-6,7-benzonaphtho(2',3':1,2)carbazole, m. 208° (picrate, deep violet, m. 203°).

IT 857552-84-2P, Acetanilide,
 4'-(5,6,7,8-tetrahydro-2-naphthyl)sulfamoyl]-

RL: PREP (Preparation)
 (preparation of)

RN 857552-84-2 CAPLUS

CN Acetanide, N-[4-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]sulfonyl]phenyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

L5 ANSWER 31 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1950:10099 CAPLUS
 DOCUMENT NUMBER: 44:10099
 ORIGINAL REFERENCE NO.: 44:1981i, 1982a-i, 1983a-e
 TITLE: Orienting phenomena in the substitution on aromatic
 bicyclic nuclei. II. Combe's quinoline synthesis
 AUTHOR(S): Huisgen, Rolf
 SOURCE: Justus Liebigs Annalen der Chemie (1949),
 564, 16-32
 CODEN: JLACBF; ISSN: 0075-4617
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 44:10099
 GI For diagram(s), see printed CA Issue.
 AB cf. C.A. 42, 6783i. When Combe's synthesis [Compt. rend. 106, 142, 1536
 (1888)] was applied to 2-C10H7NH2 (I) by Johnson and Mathews (C.A. 38,
 1505.6), only linear cyclization was effected, which is an exception to
 the usually observed angular cyclization reaction. The structure of the
 side chain in position 2 on the C10H8 nucleus is evidently important, and
 the usually accepted -N:CRCH2COR appears less satisfactory than does the
 "enamine" structure, -NHC(R):CHCOR, which is adopted by H. Conditions for
 forming nonannelated products and the theory underlying linear ring
 closure are discussed at length. 2-(Ac:CH:CMenNH)C10H7 (II), m.
 99°, was prepared by heating I with Ac2CH2 (III). On oxidation, II
 gave the Ac derivative of I, m. 132-3°, and, when heated at 290°
 in paraffin oil, followed by extraction with MeOH, evaporation, extraction
 with C6H6, and
 acidification, gave I.HCl. At 0° 1 g. II and 6 cc. concentrated H2SO4
 gave 2,4-dimethylbenzo[g]quinoline (IV), but with H3PO4 at 70°,
 followed by extraction with NH3 in CHCl3, II gave largely I and only small
 amts. of IV. By the cyclization of appropriate enamines the following
 derivs. of IV were formed: 8-Br, pale yellow, m. 168-9° (from the
 enamine prepared from III and 1,2-H2N(Br)C10H6), and 8-Me, m. 127°
 (prepared from the enamine, m. 95°, formed from III and
 2-H2NC10H6Me). The 3-Br derivative (V) of I and III gave
 2-(3-bromo-2-naphthylamino)-2-penten-4-one, needles, m. 95° (from
 Et2O), which with concentrated H2SO4 at 0° gave 83% V. I (10 g.) and 17
 g. Bz2CH2 at 130° gave the enamine, 2-(BzCH:CPhNH)-C10H7 (VI),
 yellow needles, m. 146-7°, nonfluorescent, unaffected by hot aqueous
 acids or alkalies, and unchanged when heated at 300° in paraffin,
 but forming 2-BzNHC10H7, m. 159-60° and BzOK when oxidized with
 KMnO4 in Me2CO. With 90 cc. concentrated H2SO4 at 0°, 15 g. VI gave an
 orange-red sulfate which was washed with ice-H2O, dried, extracted with H2O
 and CHCl3, and the dried CHCl3 extract was passed through Al2O3, evaporated,
 and
 crystallized from EtOH at 40°, giving 10.81 g.
 2,4-diphenylbenzo[g]quinoline (VII), pale yellow, m. 146° (from
 CHCl3-EtOH), showing in alc. an unusually brilliant pale blue fluorescence
 veering to faint yellow on addition of acid, and, from the mother liquor of
 VII, 1.2 g. of the angular [f]-isomer (VIII), m. 146°, separated after
 tedious, successive fractionations from Me2CO, AcOEt, and MeOH. A simpler
 means of separating VII and VIII was to irradiate the mixture in Me2CO, thus
 forming the insol. dimer (IX) of VII, the mother liquors from which gave
 nearly pure VIII. When mixed, VII and VIII showed m.-p. depressions of
 20-30°. With glacial AcOH and CrO3, 1.5 g. VII formed an insol.
 orange-red bichromate, which, when heated, gave 1.39 g. yellow
 2,4-diphenyl-1-azanthraquinone, C25H15NO2, m. 250-1°(from glacial

AcOH or C6H6). VII (0.3 g.) gave 0.375 g. of a sulfonic acid, C25H16NSO3H, orange-red needles (from EtOH), m. above 300°. Heated with quinone in C6H6 VII gave the adduct (X), colorless, nonfluorescent, dissociating and foaming at 204-6°, and giving a clear melt at 240°. A 24-hr. solar photodimerization of VII in C6H6 gave IX, C50H31N2, colorless, m. 273° (from C6H6), showing a faint blue fluorescence and quantitatively depolymerized to VII on melting. VIII was effectively prepared by gradually adding 0.5 g. VI to ZnCl2 at 200° heating 1 hr., decomposing the melt with H2O, extracting with CHCl3, passing the extract

through Al2O3, evaporating, and crystg, from MeOH; yield 0.28 g. VIII. VIII in alc. showed a bluish-violet fluorescence; VIII forms difficultly soluble HCl and H2SO4 salts. In alc., VIII proved stable on irradiation, but a photochem. reaction occurred rapidly on addition of a few drops of H2SO4, giving (from 0.15 g. VIII) 0.136 g. of a compound (XI), falted needles, m. 220° (from CHCl3-EtOH). Bz2CH2 and the 1-Me derivative of I gave the corresponding enamine, m. 163-4°, which when cyclized at 5° with H2SO4 gave 96% of the 8-Me derivative (XII) of VII, m. 138-9° (from EtOH-CHCl3), whose photodimer, colorless crystals with bluish-green surface sheen, m. 246-7° XII when added to a ZnCl2 melt gave a compound, (1-MeC10H6)2NH (?), m. 221-4° (insol. even in concentrated acids). The 1-Br derivative of I and Bz2CH2 gave an enamine, yellow leaflets, m. 174°, difficultly cyclized after standing 24 hrs. in concentrated H2SO4 to give a poor yield of an impure (linear ?) pale yellow bromobenzozquinoline, m. 199-204° (containing 77.41% C instead of the calculated 73.16%); when this enamine was heated with ZnCl2, small amts. of VIII were formed. The 3-Br derivative of I and Bz2CH2 reacted slowly at 130° to give the enamine, C25H18NOBr, m. 131°, which when fused with ZnCl2 gave 1,3-diphenyl-5-bromobenzof[*q*]quinoline, m. 152-3° showing weak violet fluorescence. Bz2CH2 and freshly distilled 2-amino-1,2,3,4-tetrahydronaphthalene gave an enamine, m. 135° which with H2SO4 at 5° gave 92% (linear) 2,4-diphenyl-6,7,8,9-tetrahydrobenzo[*g*]quinoline (XIII), m. 129°, showing a blue fluorescence, also formed from the enamine by ZnCl2 fusion. Dehydrogenation of XIII with Pt-C gave VII; no VIII was formed. I and BzCH2Ac at 130° gave 96% of the corresponding enamine, m. 152-3°, which yielded 2-methyl-4-phenylbenzo[*g*]quinoline (XIV), b12 260°, m. 110° (from petr. ether) [cf. Beyer, Ber. 20, 1767 (1887)]. Similarly, the 1-Me derivative of I and BzCH2Ac gave 90% of an enamine, pale yellow prisms, m. 158°, which gave 70% of the 8-Me deriv. of XIV, m. 105-6°. The enamine, m. 133-4°, prepared from 3,2-BrC10H6-NH2 and BzCH2Ac could not be cyclized by the usual procedure with H2SO4. Ultraviolet absorption spectra of VII and VIII are given.

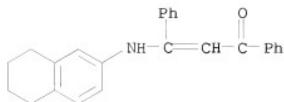
IT 854835-41-9P, Chalcone, β -(5,6,7,8-tetrahydro-2-naphthylamino)-

RL: PREP (Preparation)
(preparation of)

RN 854835-41-9 CAPLUS

CN 2-Propen-1-one, 1,3-diphenyl-3-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]-
(CA INDEX NAME)

10/513699

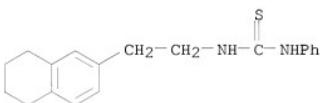


OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)

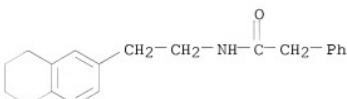
L5 ANSWER 32 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1949:46455 CAPLUS
 DOCUMENT NUMBER: 43:46455
 ORIGINAL REFERENCE NO.: 43:8390a-i
 TITLE: Synthetic studies in the isoquinoline series
 AUTHOR(S): Schultz, Everett M.; Arnold, R. T.
 SOURCE: Journal of the American Chemical Society (1949), 71, 1911-14
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB 5-(Chloromethyl)hydrindene (30 g.) in 75 ml. EtOH, added (0.5 hr.) to 11 g. NaCN in a min. quantity of hot H₂O and refluxed 4 hrs., gives 73% 5-hydrindeneacetonitrile (I), b_{2.5} 113-15°; 58 g. I and 4 g. Raney Ni in 100 ml. EtOH containing 19 g. NH₃, hydrogenated (4 hrs.) at 110° and 1100 lb., give 98% 2-(5-hydrindenyl)ethylamine (II), b₄ 104-7°, analyzed as the phenylthiocarbamyl derivative, m. 96.5-7.5°. I (75 g.) in 24 g. absolute EtOH and 70 ml. ether, treated with 21 g. HCl, kept 16 hrs. at 5°, and the imido ester hydrolyzed (24 hrs.) with H₂O, gives 40 g. of the Et ester, b₃ 122°, n_{D25} 1.5201, of 5-hydrindeneacetic acid (III), m. 113-14° (anilide, m. 122.5-3.5°). The acid chloride of III (19.4 g.), added to 16.1 g. II in 7.6 g. C₅H₅N and boiled 5 min., gives 47% N-[2-(5-hydrindenyl)ethyl]-5-hydrindeneacetamide (IV), m. 99-100°. IV (6 g.) in 65 ml. hot xylene, added to 12 g. P205, the mixture boiled 15 min., 6 g. P205 added, the mixture boiled an addnl. 0.5 hr., the xylene decanted, the residue heated with 100 ml. H₂O, the residual xylene removed by steam distillation, and the aqueous solution extracted with ether, made strongly basic with 10% KOH, and extracted with ether, gives 4 g. 1-(5-hydrindenylmethyl)-6,7-cyclopenteno-3,4-dihydroisoquinoline (V), yellow, b₃ 235-40° (bath temperature), analyzed as the picrate, m. 196-7°; the crude V and 0.6 g. 10% Pd-C, heated in a CO₂ stream 45 min. at 180-200°, give 1.3 g.
 1-(5-hydrindenylmethyl)-6,7-cyclopentenoisoquinoline, m. 91-2°. II (8.86 g.) and 11 g. homopiperonylic acid, heated 4 hrs. at 160-70°, give 13.9 g. N-[2-(5-hydrindenyl)ethyl]homopiperonylamide (VI), m. 119-20°; 5.5 g. VI, cyclized as above and dehydrogenated, gives 0.8 g. 1-(3-(4-methylenedioxybenzyl)-6,7-cyclopentenoisoquinoline, m. 98-9°. The crude acid chloride from 17.6 g. III in 100 ml. C₆H₆, treated slowly with 16.5 g. homopiperonylamine and 7.6 g. C₅H₅N in 50 ml. C₆H₆ and boiled 10 min., give 61% N-[2-(3-(4-methylenedioxyphenyl)-ethyl)-5-hydrindeneacetamide, m. 122.5-3.5°; cyclization of 2 g. with P205 gives 0.7-0.8 g. 1-(5-hydrindenylmethyl)-6,7-methylenedioxy-3,4-dihydroisoquinoline (VIa), m. 130.5-1° (picrate, m. 175-6°); 5.9 g. (VIa) and 1.3 g. 10% Pd-C, heated 3.5 hrs. at 155-200°, give 1.65 g. of the HCl salt, m. 257-8°, of 1-(5-hydrindenylmethyl)-6,7-methylenedioxyisoquinoline, m. 168-9° (picrate, m. 184-5°). II (5.33 g.), 2.57 g. AcCl, and 2.6 g. C₅H₅N in C₆H₆ give 3 g. of the Ac derivative, b₂ 170-85° (bath temperature), m. 77.5-8°; cyclization gives 1-methyl-6,7-cyclopenteno-3,4-dihydroisoquinoline, analyzed as the picrate, m. 205°; oxidation of the base with HNO₃ gives 1,2,4,5-C₆H₂(CO₂H)₄, indicating that cyclization in the hydrindene series occurs across the 5,6-positions of the hydrindene nucleus. 6-Acetyl-1,2,3,4-tetrahydronaphthalene (50.9 g.), 10 g. S, and 26 g. morpholine, heated 8.5 hrs. at 120-5°, give 90% 1,2,3,4-tetrahydro-6-naphthalenethioacetomorpholide (VII), m. 114.5-15.5°; 58.4 g. VII in 1 l. 10% KOH, boiled 10 hrs., gives 79%

1,2,3,4-tetrahydro-6-naphthaleneacetic acid (VIII), m. 95-6°; the Me ester of VIII (b2 141-5°) and concentrated NH4OH, 72 hrs. at 25-30°, give 83% of the amide, m. 168-9°; with SOC12 in C6H6 this yields 67% of the nitrile, b3 144-7°, catalytic reduction of which in MeOH containing liquid NH3 gives 90% 2-(1,2,3,4-tetrahydro-6-naphthyl)ethylamine (IX), analyzed as 1-[2-(1,2,3,4-tetrahydro-6-naphthyl)ethyl]-3-phenyl-2-thiourea, m. 130-1°; 5 g. IX and 4.25 g. PhCH2CO2H, heated 3 hrs. at 160-80°, give 74% N-[2-(1,2,3,4-tetrahydro-6-naphthyl)ethyl]- α -phenylacetamide, m. 99-100°; cyclization of 5.15 g. with 10 g. P2O5 in 75 ml. PhMe gives 3.75 g. 1-benzyl-6,7-cyclohexeno-3,4-dihydroisoquinoline, b. 180-200°/10-4 mm., analyzed as the picrate, m. 193-4° (decomposition); HNO3 oxidation yields 1,2,4,5-C6H2(CO2H)4; heating with 10% Pd-C at 300-310° (4.5 hrs.) gives the isoquinoline (m. 115-16°), whose picrate m. 211-12°.

IT 859736-98-4P, Urea, 1-phenyl-3-[2-(5,6,7,8-tetrahydro-2-naphthyl)ethyl]-2-thio- 861059-29-2P, Acetamide, 2-phenyl-N-[2-(5,6,7,8-tetrahydro-2-naphthyl)ethyl]-
RL: PREP (Preparation)
(preparation of)
RN 859736-98-4 CAPLUS
CN Thiourea, N-phenyl-N'-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



RN 861059-29-2 CAPLUS
CN Benzeneacetamide, N-[2-(5,6,7,8-tetrahydro-2-naphthalenyl)ethyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L5 ANSWER 33 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1949:17411 CAPLUS
 DOCUMENT NUMBER: 43:17411
 ORIGINAL REFERENCE NO.: 43:3362g-i,3363a-i,3364a-d
 TITLE: Biosynthesis of penicillins. VI. N-2-Hydroxyethyl amides of some polycyclic and heterocyclic acetic acids as precursors
 AUTHOR(S): Jones, Reuben G.; Soper, Quentin F.; Behrens, Otto K.; Corse, Joseph W.
 SOURCE: Journal of the American Chemical Society (1948), 70, 2843-8
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 43:17411
 AB 2,6-MeC10H6NH2 (78 g.) in 80 mL concentrated HCl and 200 mL H2O at 0°, treated at 5° with 35 g. NaNO2 in 50 mL H2O and, after 0.5 h., with 130 g. ice-cold 42% HBF4, gives 90% of the 2-diazonium fluoroborate, decomposition of which yields 69% 2-methyl-6-fluoronaphthalene (I), m. 77°. I (40 g.) at 210°, treated (15 min.) with 40 g. Br (with illumination with a 100-w. lamp), gives 82% 2-(bromomethyl)-6-fluoronaphthalene (II), b2 125-30°, m. 53°. II (48 g.), added to a refluxing solution of 30 g. KCN in 60 mL H2O and 200 mL EtOH, the EtOH removed after refluxing 4 h., 500 mL H2O added, the solution extracted with ether, and the residue from the ether boiled 5 h. with 40 g. KOH in 40 mL H2O and 200 mL EtOH, gives 74% 6-fluoro-2-naphthalenacetic acid, m. 138-9° (Me ester, b2 163-6°, m. 48-9°). 2,6-MeC10H6NH2 (63 g.) in 100 mL H2O and 700 g. 48% HBr, treated (3-4 h.) at 5° with 45 g. NaNO2 in 75 mL H2O and the diazonium solution poured (10 min.) into 170 g. CuBr in 800 mL 48% HBr at 70-80°, gives 40% 6-bromo-2-methylnaphthalene (III), m. 142° III yields 80% 6-bromo-2-(bromomethyl)naphthalene, m. 124-5° this gives 69% 6-bromo-2-naphthalenacetic acid, m. 175-6° (Me ester, b2 187-93°, m. 67-9°).
 3,2-C1C10H6CHO (32.5 g.), 35 g. hippuric acid, 14.5 g. anhydrous AcONa, and 50 mL Ac2O, heated on the steam bath 1 h., give 75% 2-phenyl-4-(3-chloro-2-naphthylmethylene)-5(4H)-oxazolone (IV), bright yellow, m. 192° 40 g. IV in 200 mL 10% NaOH, refluxed 9 h., the mixture diluted to 1500 mL with H2O, washed with ether, the aqueous solution treated with 20 mL 12.5 N NaOH and 15 mL 30% H2O2, allowed to stand overnight, the filtrate acidified with HCl, extracted with ether-C6H6, and the residue esterified, gives 37% Me 3-chloro-2-naphthalenacetate, b2 163-5°, m. 49-50° the free acid m. 193-4°. 6,2-MeC10H6Ac (100 g.), 25.5 g. S, and 87 g. morpholine, heated 18 h. at 140°, part of the morpholine removed in vacuo, 250 mL AcOH and 350 mL concentrated HCl added, and the mixture refluxed 24 h., give 67% 6-methoxy-2-naphthalenacetic acid, m. 203-5° (Me ester, b1 192-3°, m. 86°, 73%).
 5,6,7,8-Tetrahydro-2-acetonaphthone (50 g.), 13 g. S, and 40 mL morpholine, refluxed overnight, 400 mL concentrated HCl and 300 mL H2O added, and the mixture again refluxed overnight, followed by esterification with EtOH and H2SO4, give Et 5,6,7,8-tetrahydro-2-naphthalenacetate, b0.5 140-3°. 2-Acetylphenanthrene (13.2 g.), 3.2 g. S, and 10.5 g. morpholine, heated 15 h. at 160°, the mixture treated with 150 mL AcOH and 36% HCl, and refluxed 24 h., give 81% 2-phenanthreneacetic acid, m. 187-8° the 3-isomer m. 174-5°, 84% (Me ester, b1.5

203-5°, 89%). 8-(Bromomethyl)quinoline (120 g.) in 250 mL. warm EtOH, added (0.5 h.) to 50 g. KCN in 100 mL. warm H₂O and the mixture refluxed 1.5 h., gives 78% 8-(cyanomethyl)quinoline, m. 86-7°; hydrolysis with aqueous alc. KOH and esterification give 91% Et 8-quinolineacetate, b3 158-60°. Et 3-quinolinecarboxylate (70 g.), 62 g. AcOEt, and ETONa (12 g. Na and 0.52 mol absolute EtOH) in 100 cc. dry C₆H₆, refluxed 20 h., the cooled solution poured onto ice, diluted to 5 l. with H₂O, treated with 50 mL. 12 N NaOH, washed with two 300 mL. portions of ether, and the aqueous solution neutralized with dilute H₂SO₄ and extracted with two 500-mL. portions of ether, give 75% Et 3-quinolylformylacetate, m. 84° 27 g. of the keto ester in 125 g. 25% H₂SO₄, heated 30 min. at 100°, gives 95% 3-acetylquinoline (V). V (7 g.), 5 g. S, 50 mL. (NH4)2S, and 25 mL. H₂O, heated 20 h. at 145-50°, the residue extracted with two 300-mL. portions boiling 5% HCl, the solution refluxed 3 h., and the crude acid esterified, give 19% Et 3-quinolineacetate, b2.5 140-2°. pH2NC6H4CH2CO2H (46 g.), 10.5 g. FeSO₄, 115 g. C3H5(OH)3, 23 g. PhNO₂, and 53 mL. concentrated H₂SO₄, boiled 5 h., give 37 g. crude acid which, esterified with EtOH and HCl, gives 39% Et 6-quinolineacetate, b3 160° the free acid (VI) m. 218-20°. Et 6-quinolinecarboxylate and AcOEt, condensed with ETONa, give 87% Et 6-quinolineacetate, hydrolysis of which with 25% H₂SO₄ at 100° gives 90% 6-acetylquinoline, m. 76° the Willgerodt reaction gives 87.5% VI. 3,4 O2N(H2N)C6H3CO2H (108 g.) in 350 mL. concentrated HCl, treated with 125 g. Sn in portions (temperature below 90°), gives 87% (3,4-diaminophenyl)acetic acid-2HCl (VII), m. 222-4° (decomposition); Et ester-2HCl (VIII), m. 185-7° (decomposition); 3 g. VII and 20 mL. 98-100% HCO2H, heated several hrs., give 100% 5-benzimidazoleacetic acid-HCl, m. 240-2° the Et ester m. 65-6°, 75%. VIII (14 g.) in 200 mL. ice H₂O, treated with excess COCl₂, gives 95% Et 2-hydroxy-5-benzimidazoleacetate, m. 208-9°. NCCH2CO2Et (113 g.) and 15 g. (HOCH2CH2)3N in 100 mL. absolute EtOH, treated with a slow stream of H₂S, the mixture poured after 5 days into ice-H₂O, and 38 g. of the resulting oil and 23.1 g. ClCH2Ac in 300 cc. anhydrous ether kept 4 days, give 20.6 g. Et 4-methyl-2-thiazoleacetate, b17 136-9°. Thiaxanthydrol (42 g.), 30 g. CH₂(CO₂H)₂, and 80 mL. C5H5N, heated 2 h. at 60-70° and 2 h. at 90-5° and the liquid poured into 600 mL. 2 N HCl, give 90% 9-thiaxantheneacetic acid, m. 167-8° (Me ester, b2 182-4°). The Ag salt of 2-benzylimidazole (53 g.) and 50 g. BrCH2CO2Et in 200 mL. xylene, refluxed 48 h., give 25.4% of the Et ester, m. 70-70.5°, of 2-benzyl-1-imidazoleacetic acid, m. 173-4°. Me 1-acenaphtheneacetate, b4 176-8°. N-2-Thienylacetyl-DL-valine m. 110-12°. Amides were prepared by heating the Me or Et ester of the various acids with a slight excess of HOCH2CH2NH₂ at 100-150° for several hrs.; R in RCH2CONHCH2CH2OH is given, together with S (see part V). 2-C10H7 m. 125-7°, S 1.3; 1-bromo-2-naphthalene m. 155-6°, S 0.5; 6-fluoro-2-naphthalene m. 145-6°, S 1.2; 3-chloro-2-naphthalene m. 150-1°, S 0.3; 6-bromo-2-naphthalene m. 167-8°, S 0.9; 5,6,7,8-tetrahydro-2-naphthalene m. 88-90°, S 0.9; 1-nitro-2-naphthalene m. 154-5°, S 0.9; 6-methoxy-2-naphthalene m. 160°, S 1.1; 1-acenaphthene m. 160°, S 1.1; 9-fluorene m. 127-8°, S 0.7; 2-phenanthrene m. 135-7°, S 0.5; 3-isomer m. 133-5°, S 0.5; 1-pyrrole m. 85-7°, S 0.9; 2-thiophene m. 66-7°, S 1.8; 2-furan oil, S 0.4; 2,6-dihydroxy-5-pyrimidine m. 271-2°, S 1; 2-methyl-4-hydroxy-5-pyrimidine m. 184°, S 0.9; 3,4-methylenedioxypyhenyl m. 99-100°, S 1; 2-methyl-4-thiazole m.

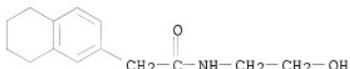
93-4°, S 0.85; 4-methyl-2-thiazole m. 80-2°, S 0.9;
 2-pyridine m. 93-4°, S 1; 3-isomer m. 94° S 1;
 6-methyl-2-pyridine m. 49-50°, S 1; 2-benzyl-1-imidazole m.
 177-9°, S 1; 3-quinoline m. 151-2°, S 1; 6-isomer m.
 135°, S 1; 8-isomer m. 92-3°, S 1; 2-benzimidazole m.
 185-90°, S 1; 5-isomer m. 160-2°, S 1;
 2-hydroxy-5-benzimidazole m. 245-6°, S 1; 7-hydroxy-4-coumarin m.
 114-16°, S 1; 9-xanthene m. 157-8°, S 0.8; 9-thiaxanthene m.
 148-9°, S 0.7; 5-hydantoin m. 160-2°, S 0.9. Only a few of
 these compds. appeared to be utilized readily by the mold for the
 formation of new penicillins. Several of the compds. appeared to effect
 some increase in penicillin yield or to change the differential assay
 value of the crude penicillin produced in their presence.

IT 858199-36-7P, 2-Naphthaleneacetamide,
 5,6,7,8-tetrahydro-N-2-hydroxyethyl-

RL: PREP (Preparation)
 (preparation of)

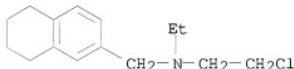
RN 858199-36-7 CAPLUS

CN 2-Naphthaleneacetamide, 5,6,7,8-tetrahydro-N-(2-hydroxyethyl)- (CA INDEX
 NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD
 (4 CITINGS)

L5 ANSWER 34 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1949:11510 CAPLUS
 DOCUMENT NUMBER: 43:11510
 ORIGINAL REFERENCE NO.: 43:2319i,2320a-c
 TITLE: Adrenergic blocking drugs. II. Antagonism of histamine and adrenaline with
 N-(2-haloalkyl)-1-naphthylmethylamine derivatives
 AUTHOR(S): Loew, Earl R.; Micetich, Audrey
 SOURCE: Journal of Pharmacology and Experimental Therapeutics
 (1948), 94, 339-49
 CODEN: JPETAB; ISSN: 0022-3565
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C.A. 43, 311a. Compds. studied were the series 1-C₁₀H₇CH₂N(R)CH₂CH₂Cl where R = Me, Et, Pr, iso-Pr, allyl, Bu, sec-Bu, iso-Bu, Am, hexyl, 2-methoxyethyl, and 2-chloroethyl, and also N-ethyl-N-2-hydroxyethyl-1-naphthylmethylamine, N-ethyl-N-2-chloroethyl-1-(4-chloronaphthyl)methylamine, and N-ethyl-N-2-chloroethyl-2-naphthylmethylamine and its 5,6,7,8-tetrahydro derivative; all as HCl salts. They exhibited the dual property of strongly blocking certain effects of both adrenaline and its physiol. antagonist histamine. The lower alkyl homologs in oral doses of 3-17 mg./kg. were effective in reducing the toxicity of adrenaline in mice; the toxic doses were 60-360 times as great. Injected i.v. in dogs, the compds. reversed the action of adrenaline and diminished the pressor response to injected histamine; their effect was of long duration. S.c. in guinea pigs, they reduced the toxicity of histamine aerosol and the histamine released during anaphylaxis. The most effective compds. were N-ethyl-N-2-chloroethyl- and N-ethyl-N-2-bromoethyl-1-naphthylmethylamine (SY-14 and SY-28).
 IT 856200-34-5, 2-Naphthalenemethylamine,
 N-(2-chloroethyl)-N-ethyl-5,6,7,8-tetrahydro-, hydrochloride
 (antagonism to adrenaline and histamine)
 RN 856200-34-5 CAPLUS
 CN 2-Naphthalenemethanamine, N-(2-chloroethyl)-N-ethyl-5,6,7,8-tetrahydro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

L5 ANSWER 35 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1948:19976 CAPLUS

DOCUMENT NUMBER: 42:19976

ORIGINAL REFERENCE NO.: 42:43021,4303a

TITLE: Thermally vaporizable fumigant comprising sensitized ammonium nitrate and a pesticide

INVENTOR(S): Flanders, John Stocks; Jones, Elwyn

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.

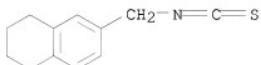
DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

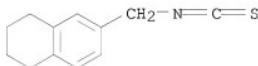
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2440082	-----	19480420	US 1946-658882	19460401 <--
AB	Ten parts of a pesticide (DDT, γ -hexachlorobenzene, or pentachlorophenol) is incorporated into a mixture of 90 parts of NH ₄ NO ₃ and 10 parts of a chromate, which by its self-sustained exothermic reaction will evaporate the pesticide, after being set off with a fuse.			
IT	855737-77-8P, Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)-			
	RL: PREP (Preparation)			
	(preparation of)			
RN	855737-77-8 CAPLUS			
CN	Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- (CA INDEX NAME)			



L5 ANSWER 36 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1948:19975 CAPLUS
 DOCUMENT NUMBER: 42:19975
 ORIGINAL REFERENCE NO.: 42:4302g-i
 TITLE: Tetralyl compounds
 INVENTOR(S): Jones, Franklin D.
 PATENT ASSIGNEE(S): American Chemical Paint Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2438751	-----	19480330	US	<--
AB	From tetralyl-6-methyl chloride (I) are prepared tetralyl-6-acetonitrile (also called 1,2,3,4-tetrahydronaphthalene-6-acetonitrile), b. 150-5° at 2 mm.; tetralyl-6-acetic acid, m. 109-14°; the amide, m. 147°; the Me ester, b. 135-40° at 1-2 mm.; the Et ester, b. 140-5° at 1-2 mm.; and alkaline salts, soluble in H ₂ O. On refluxing I and a substantially equivalent mol. proportion of KCNS and 3-4 times their volume of an alc. for 1 hr. and pouring into 4 times its volume of cold H ₂ O, tetralyl-6-methyl thiocyanate is precipitated which, on distillation, is converted to the isothiocyanate, b. 168-74° at 1-2 mm. These derivs. are effective as plant hormones, insecticides, and fungicides.			
IT	855737-77-8P, Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)-			
RL	PREP (Preparation) (preparation of)			
RN	855737-77-8 CAPLUS			
CN	Naphthalene, 1,2,3,4-tetrahydro-6-(isothiocyanatomethyl)- (CA INDEX NAME)			



L5 ANSWER 37 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1946:21658 CAPLUS
 DOCUMENT NUMBER: 40:21658
 ORIGINAL REFERENCE NO.: 40:4234f-i,4235a-d
 TITLE: Aralkylated sulfonamides
 INVENTOR(S): Albrecht, Otto
 PATENT ASSIGNEE(S): Society of Chemical Industry
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2398990		19460423	US 1943-474900	19430205 <--

GI For diagram(s), see printed CA Issue.
 AB Useful wetting, dispersing, and washing agents result from condensation of sulfonamides with aryl chloromethyl compds. Solubility in H₂O is achieved by polar groups, such as -SO₃Na or -OSO₃H. Thus p-cymene is converted with ClSO₃H, followed by NH₃, to a mixture of cymenesulfonamides, 53 parts of which is treated with 50 parts of Na formaldehyde bisulfite (I) and 2.5 parts of diaminolamine for 20 min. at 160-5°; 7 parts of the product is dissolved in 14 parts of H₂O and 3.2 parts of 6-(chloromethyl)-1,2,3,4-tetrahydronaphthalene (II) and 2.9 parts of 30% NaOH is added at 65-70° during 1 hr. The mixture is stirred, excess NaOH is neutralized, and by evaporation to dryness a product is isolated, probably of the formula Likewise 10 parts of the product obtained by the reaction of the tetrahydronaphthalenesulfonamides (III) with I is dissolved in 20 parts of H₂O and 4.4 parts of II is added and heated with 3.9 parts of 30% NaOH until a sample dissolves in H₂O (2 hrs. at 65-70°). Similar products may be obtained with Na formaldehydesulfoxylate, and with a (chloromethyl)cymene (IV), or from the complex mixture which results when tetrahydronaphthalene is heated with AlCl₃ at 100°. A technical grade of III will react in aqueous alkali with CH₂ClCO₂H to yield tetrahydronaphthalene-sulfonamidoacetic acids which react similarly with II to give a soluble washing powder. Another variation consists in preparation of the isomeric N-hydroxyethyl-p-cymenesulfonamides (from the sulfonyl chloride and CH₂(OH)CH₂NH₂) and treating them with IV, followed by treatment with ClSO₃H, and then H₂O, to give the acid sulfate. Also, 15 parts of the condensation product (V) from the Na salt of 2-amino-6,8-naphthalenedisulfonic acid (VI) and N-chloroacetyltetrahydronaphthalenesulfonamide is dissolved in 25 parts of H₂O at 70° and 4.5 parts of II and 3.7 parts of 30% NaOH are added; stirring at 65-70° for 30 min. gives a H₂O-soluble product which, however, reacts further with 4.5 parts of II, condensation apparently taking place at both the amido and amino H. V can be made as follows: 46 parts of III is heated with 24.6 parts of CH₂ClCOCl to 100° in the course of 2 hrs., and heating is continued for 2.5 hrs. at 100°; 14.4 parts of the chloroacetyl derivative is mixed with 6.7 parts of 30% NaOH and 7.5 parts by volume of EtOH and is dropped during 2 hrs. at 65-70° into a solution of 24.3 parts of VI (partly neutralized as the Na acid salt), containing 62.4% free disulfonic acid, in 50 parts by volume of H₂O, made neutral with Na₂CO₃; V was isolated by evaporation of the reaction mixture to dryness, after it had been stirred for 2.5 hrs. at 70°.

IT 854747-58-3P, Methanesulfonic acid, [N-(5,6,7,8-tetrahydro-2-naphthylmethyl)(5,6,7,8-

10/513699

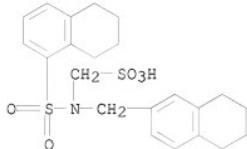
tetrahydronaphthyl)sulfonamido]-, sodium salt 859980-42-0P,
Glycine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-N-(5,6,7,8-
tetrahydronaphthylsulfonyl)-, sodium salt

RL: PREP (Preparation)

(preparation of)

RN 854747-58-3 CAPLUS

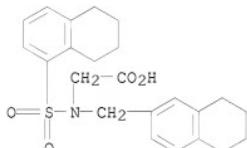
CN Methanesulfonic acid, 1-[(5,6,7,8-tetrahydro-2-
naphthalenyl)methyl][(5,6,7,8-tetrahydro-1-naphthalenyl)sulfonyl]amino]-,
sodium salt (1:1) (CA INDEX NAME)



● Na

RN 859980-42-0 CAPLUS

CN Glycine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-N-(5,6,7,8-
tetrahydronaphthylsulfonyl)-, sodium salt (4CI) (CA INDEX NAME)

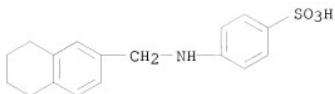


● Na

L5 ANSWER 38 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1946:4643 CAPLUS
 DOCUMENT NUMBER: 40:4643
 ORIGINAL REFERENCE NO.: 40:7541,755a-c,756a-b
 TITLE: Derivatives of sulfonated amines
 INVENTOR(S): Granacher, Charles; Streuli, Paul; Meyer, Jules
 PATENT ASSIGNEE(S): Soc. pour l'ind. chim. a Bale
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2376911		19450529	US 1942-462988	19421022 <--
AB Aminosulfonic acids are treated with aralkylating agents containing at least 8 C atoms to form N-aralkylaminosulfonic acids which are useful as wetting, dispersing, washing, softening, leveling, or foaming agents in the treatment of textiles. For example the Na salt of sulfanilic acid in aqueous Na ₂ CO ₃ solution is treated with ar-2-(chloromethyl)tetrahydronaphthalene (I) at 70-80° to form the Na salt of N-(ar-2-tetrahydronaphthylmethyl)sulfanilic acid, which is salted out and dried. Similar compds. or their salts are prepared in a like manner by treating salts of the following aminosulfonic acids with I: 1,6-naphthylaminesulfonic acid, 2,6,8(and 1,3,6)-naphthylaminodisulfonic acid, and β-aminoethanesulfonic acid. One or both free H atoms in the NH ₂ may be replaced in accordance with the amount of aralkylating agent used. Products containing the N-tetrahydronaphthylmethyl radical have excellent washing properties, and those containing 2 SO ₃ H groups are particularly good in hard water. Similarly N-(cymylmethyl)aminosulfonic acids and their salts are prepared in a like manner by treating salts of the following aminosulfonic acids with 2-(chloromethyl)cymene: N-methylsulfanilic acid, 2,6,8-naphthylaminodisulfonic acid, phenylhydrazinesulfonic acid, and β-aminoethanesulfonic acid. Again one or both H atoms on the NH ₂ group may be replaced. Products containing the cymylmethyl group have particularly good wetting properties. Products containing a free amino H atom may be treated with ethylene oxide or an acyl chloride, such as lauric acid chloride, to form a product with -CH ₂ CH ₂ OH (or -CH ₂ CH ₂ OCH ₂ CH ₂ OH) or an acyl group, resp., on the N atom.				
IT 857954-48-4P, Sulfanilic acid, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-, sodium salt 857956-72-0P, Taurine, N-(5,6,7,8-tetrahydro-2-naphthylmethyl)-, sodium salt 861090-87-1P, 2-Naphthalenesulfonic acid, 5-(5,6,7,8-tetrahydro-2-naphthylmethylamino)-, sodium salt RL: PREP (Preparation) (preparation of)				
RN 857954-48-4	CAPLUS			
CN Benzenesulfonic acid, 4-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino- , sodium salt (1:1) (CA INDEX NAME)				

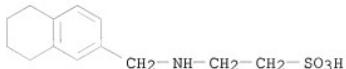
10/513699



● Na

RN 857956-72-0 CAPLUS

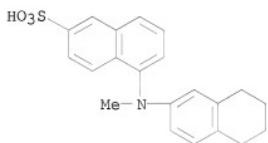
CN Ethanesulfonic acid, 2-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]amino-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 861090-87-1 CAPLUS

CN 2-Naphthalenesulfonic acid, 5-[methyl(5,6,7,8-tetrahydro-2-naphthalenyl)amino]-, sodium salt (1:1) (CA INDEX NAME)



● Na

L5 ANSWER 39 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1937:53452 CAPLUS
 DOCUMENT NUMBER: 31:53452
 ORIGINAL REFERENCE NO.: 31:74321,7433a-i,7434a
 TITLE: Friedel-Crafts reaction. I. Synthesis of new compounds
 in the field of pharmaceutical chemistry
 AUTHOR(S): Kranzlein, Paul
 SOURCE: Berichte der Deutschen Chemischen Gesellschaft
 [Abteilung] B: Abhandlungen (1937), 70B,
 1776-87
 CODEN: BDCBAD; ISSN: 0365-9488
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 OTHER SOURCE(S): CASREACT 31:53452
 AB According to Kuhn and his school, in the pigment component of the
 lactoflavin in vitamin B2 2 o-Me groups in a certain position are
 responsible for the physiol. action. Flavins not methylated on the
 benzene nucleus and those in which the Me has been shifted from the 6- to
 the 5- or from the 7- to the 8-position have no growth effect (C. A. 31,
 6239.6). The object of the present work was to synthesize heterocyclic
 substances containing o-Me groups in corresponding positions. Kunckell and
 Schneider had observed (C. A. 7, 777) that in the action of ClCH_2COCl on
 $3,4\text{-Me}_2\text{C}_6\text{H}_3\text{NHAc}$ (I) in the Friedel-Crafts reaction the ClCH_2CO group
 enters the o-position to the NHAc group, the latter having an o-, the 3-Me
 group a p-directing influence. It was to be expected that
 $2\text{-acetamino-5,6,7,8-tetrahydronaphthalene}$ (II) and $5\text{-acetaminohydridene}$
 (III) would behave in the same way, the cyclic methylene residues having
 the same influence as the 2 o-Me groups in I. Such proved to be the case.
 $5,6,5',6'\text{-Tetramethylindigo}$ (IV), from $3,4,6\text{-Me}_2(\text{ClCH}_2\text{CO})\text{C}_6\text{H}_2\text{NHAc}$ and
 alkali, was oxidized to $5,6\text{-dimethylisatin}$ (V), best with HNO_3CrO_3 (Ger.
 pat. 229,815, C. A. 5, 2732). The corresponding dyes were likewise
 obtained in good yields from the ClCH_2CO derivs. of II and III. The 3
 isatins with PhCOMe in alkaline solution gave the 6,7-substituted
 $2\text{-phenylquinoline-4-carboxylic acids}$. These acids, as compared with
 atophan, showed no greater pharmacol. action and about the same, or
 perhaps somewhat higher, toxicity; they have no vitamin B2 action and have
 no advantages over other atophan derivs. in their influence on uric acid
 metabolism. An attempt was also made to introduce the above substituents into
 acridines. $2'\text{-Chloro-4,5-dimethyl-2-aminobenzophenone}$ (VI) was prepared
 from I and o- $\text{ClC}_6\text{H}_4\text{COCl}$ but attempts to effect ring closure to the
 acridone with Cu(OAc)_2 in AmOH and even by heating in PhNO_2 with Cu and
 K_2CO_3 failed. $3',4'\text{-Dimethylidiphenylamine-2-carboxylic acid}$ (VII) was
 accordingly prepared by heating $3,4\text{-Me}_2\text{C}_6\text{H}_3\text{NH}_2$ and o- $\text{ClC}_6\text{H}_4\text{CO}_2\text{H}$ with Cu and
 K_2CO_3 ; ring closure to $2,3\text{-dimethylacridone}$ (VIII) was easily effected
 with concentrated H_2SO_4 at 80° . VIII was quant. reduced with Na and AmOH
 to the dihydroacridine (IX) which with FeCl_3 yielded $2,3\text{-dimethylacridine}$
 (X) through a green addition product, IX.X. $2,3\text{-Cyclotrimethylene}$ (XI) and
 $2,3\text{-cyclotetramethyleneacridine}$ (XII) were prepared in the same way. The
 tolerated doses, s.c., per 20-g. mouse weight of X, XI, XII and acridine
 (XIII) are resp. 40, 20-40, 20 and 2 mg. The dilns. (1:x) at which they
 inhibit growth in vitro of streptococci are 100, 200, 200, 8000; of
 staphylococci 200, 200, 200, 4000; of pneumococci 500, <500, 500, 8000.
 Local disinfection expts. on animals gave similar results; only with
 gonococci did the new acridines prove nearly as effective as XIII itself.
 Hence, 2,3-substitution of XIII decreases the toxicity but also the
 disinfecting power. I (82% from $\text{Me}_2\text{C}_6\text{H}_3\text{NH}_2$ and AcCl in pyridine), m.
 96.5%. $6\text{-ClCH}_2\text{CO}$ derivative (94%), m. 167° . IV (55%) forms an

olive-yellow Na₂S₂O₄ vat, dissolves in concentrated H₂SO₄ with yellow-red color.

V (72%), orange, m. 214-15°.

2-Phenyl-6,7-dimethylquinoline-4-carboxylic acid (dimethylatophan) (85%), m. 251.5°. II, from the amine and 1.5 mols. Ac₂O on the water bath (80% yield), m. 106°. 3-Chloroacetyl derivative (27%), m. 148°, soluble in concentrated H₂SO₄ with yellow color, developing a strong green fluorescence on short warming. 5,6,5',6'-Bis(cyclotetramethylene)indigo (86%), dark blue. 5,6-Cyclotetramethyleneisatin (85%), brown-orange, m. 194°. 2-Ph - 6,7 - cyclotetramethylenequinoline - 4 - carboxylic acid (53%), m. 237°. III (81%), m. 104°. 6-Chloroacetyl derivative (52%), m. 167°. 5,6,5',6'-Bis(cyclotrimethylene)indigo (83%), soluble in concentrated H₂SO₄ with red color.

5,6-Cyclotrimethyleneisatin

(50%), brown-orange, m. 206°.

2-Phenyl-6,7-cyclotrimethylenequinoline-4-carboxylic acid (40%), light yellow, m. 261°. VI (80%), m. 173°, soluble in concentrated H₂SO₄ with yellow color. VII (83%), m. 188-9°. VIII (80%), yellow, m. 297°, soluble in alc. KOH. IX, m. 215°. X, light yellow, m. 162°, shows green fluorescence in concentrated H₂SO₄.

3',4'-Cyclotetramethylene analog of VII (90%), m. 173°; acridone (78%), yellow, m. 309°; dihydroacridine, yellow, m. 169-70°; XII, light yellow, m. 117°, shows green fluorescence in H₂SO₄.

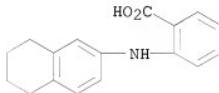
3',4'-Cyclotrimethylene analog of VII, m. 176°; acridone (83%), m. 338°, soluble in H₂SO₄ with blue, in MeOH with blue-violet fluorescence; dihydroacridine, m. 209°; XI, m. 152°, shows green fluorescence in H₂SO₄.

IT 856356-54-2P, Anthranilic acid,
N-(5,6,7,8-tetrahydro-2-naphthyl)-

RL: PREP (Preparation)
(preparation of)

RN 856356-54-2 CAPLUS

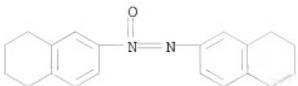
CN Benzoic acid, 2-[(5,6,7,8-tetrahydro-2-naphthalenyl)amino]- (CA INDEX NAME)



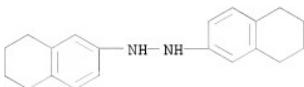
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)

L5 ANSWER 40 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1935:22787 CAPLUS
 DOCUMENT NUMBER: 29:22787
 ORIGINAL REFERENCE NO.: 29:29301,2931a-e
 TITLE: Reduction of nitro and polynitro compounds. XIV. The reduction of aromatic mono-and polynitro compounds
 AUTHOR(S): Brand, K.; Mahr, Joseph
 SOURCE: Journal fuer Praktische Chemie (Leipzig) (1935), 142, 153-76
 CODEN: JPCCEO; ISSN: 0021-8383
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C. A. 26, 3781. Data are given for the velocity of the reactions
 $2,5\text{-Me}2\text{C}6\text{H}3\text{NO} + 2,5\text{-Me}2\text{CH}3\text{N}6\text{HOH} \rightarrow \text{H}_2\text{O} +$
 $2,5\text{-Me}2\text{C}6\text{H}3\text{N}(\text{:O}):NC6\text{H}3\text{Me}2\text{-2,5}; 2,4,5\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{NO} +$
 $2,4,5\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{NHOH} \rightarrow \text{H}_2\text{O} + 2,4,5\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{N}(\text{:O}):$
 $NC6\text{H}2\text{(NO}2\text{)}\text{Me}2\text{-2,4,5}; 2,5,3\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{NO} + 2,5,3\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{NHOH}$
 $\rightarrow \text{H}_2\text{O} + 2,5\text{-Me}2\text{(O}2\text{N)}\text{C}6\text{H}2\text{N}(\text{:O}):NC6\text{H}2\text{(NO}2\text{)}\text{Me}2\text{-2,5,3}; 1\text{-C}10\text{H}7\text{NO} +$
 $1\text{-C}10\text{H}7\text{NHOH} \rightarrow \text{H}_2\text{O} + 1,1'\text{-C}10\text{H}7\text{N}(\text{:O}):NC10\text{H}7'; 2\text{-C}10\text{H}11\text{NO} +$
 $2\text{-C}10\text{H}11\text{NHOH} \rightarrow \text{H}_2\text{O} + 2,2'\text{-azoxotetralin}. The velocity of formation of azoxybenzene (I) is accelerated by a very small concentration of HO ion; the effect is much greater than with H ion. Under similar conditions 3,3'- and 4,4'-azoxotoluene are formed more rapidly but the 2,2'-isomer (II) much more slowly than I. 2,4,2',4'- and 2,5,2',5'-tetramethylazoxobenzene are formed not only more slowly than I but also more slowly than II. 3,3'-Dinitroazoxy compds. (III) are formed considerably more rapidly than the parent compds. The velocity of formation of III is decreased by the presence of an o-Me group but is raised by a p-Me group. Cl in the o-position to the NO and NHOH groups decreases the rate of reaction but in the m- and p-positions it accelerates it. 2,2'-Dinitroazoxobenzene is formed half as fast, the 3,3'-isomer 5/3 as fast and the 4,4'-isomer 6.5 times as fast as I. 1,1'-Azoxynaphthalene is formed in 70% alc. at a rate only slightly less than that of I under similar conditions; consts. could not be determined for acid and alkaline solns., probably because of side reactions. The following new compds. are reported: 1,2-dimethyl-2-nitro-6-hydroxylaminobenzene, yellow, m. 87°; 1,4-dimethyl-2-nitro-6-nitrosobenzene, m. 134-5°; 2,5,2,,5'-tetramethyl-3,3'-dinitroazoxobenzene, m. 191-2°; 1,3-dimethyl-4-nitro-6-hydroxylaminobenzene, yellow, m. 126.5-7.5°; the 6-NO derivative m. 108°; the azoxy compound m. 201-2°; 2-hydroxylamino-tetralin, m. 66-7°; 5,6,7,8,5',6',7',8'-octahydro-2,2'-azoxynaphthalene, yellow, m. 100-1°; the 2,2'-azo derivative, orange-red, m. 127-8°; the 2,2'-hydrazo derivative, pale yellow, m. 121-2°. The theoretical part discusses many reactions and gives velocity consts. for the formation of several azoxy compds.
 IT 856203-98-0P, Naphthalene, 2,2'-azoxybis[5,6,7,8-tetrahydro-
 858024-54-1P, Naphthalene, 2,2'-hydroazobis[5,6,7,8-tetrahydro-
 858025-08-8P, Naphthalene, 2,2'-azobis[5,6,7,8-tetrahydro-
 RL: PREP (Preparation)
 (preparation of)
 RN 856203-98-0 CAPLUS
 CN Naphthalene, 2,2'-azoxybis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)$

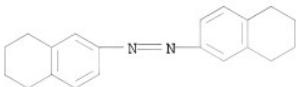
10/513699



RN 858024-54-1 CAPLUS
CN Naphthalene, 2,2'-hydroazobis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)



RN 858025-08-8 CAPLUS
CN Naphthalene, 2,2'-azobis[5,6,7,8-tetrahydro- (3CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)

L5 ANSWER 41 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1935:14013 CAPLUS
 DOCUMENT NUMBER: 29:14013
 ORIGINAL REFERENCE NO.: 29:1812a-i
 TITLE: Homologs of naphthacene. II. 2-Methyl- and
 2,7-dimethylnaphthacene; synthetic applications of
 2,6-and 2,7-dimethyl-1,2,3,4-tetrahydronaphthalene
 AUTHOR(S): Coulson, Edward A.
 SOURCE: Journal of the Chemical Society (1935) 77-83
 CODEN: JCSOA9; ISSN: 0368-1769
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C. A. 29, 154.5. 3,6,2-Me₂C10H5O (38 g.), 30 g. (NH₄)₂SO₃ and 400
 cc. NH₄OH (d. 0.88), heated (6 hrs. at 20°, give 65% of
 3,6-dimethyl-2-naphthylamine (I), m. 139°; HCl salt, m. 283°
 (decomposition); Ac derivative, m. 207°. I (16.5 g.), through the Sandmeyer
 reaction, gives 11 g. of 3,6-dimethyl-2-naphthonitrile, in. 145°;
 heating with 50% KOH and EtOH for 24 hrs. gives 11 g.
 3,6-dimethyl-2-naphthoic acid, pale cream, m. 224°; acid chloride,
 cream, m. 70°; the anilide, pale straw, m. 207-8°; the
 chloride with C6H₆ or PhMe and AlC₁₃, gives resinous products; PhMe and
 FeCl₃ at 90° for 4 hrs. give a small yield of
 2-p-Tolyl-3,6-dimethylnaphthalene, m. 112°; this chars at
 400° but forms a small quantity of 2,7-dimethylnaphthacene, golden
 orange, m. 362°; the solns. show a marked green fluorescence; the
 cold concentrated H₂SO₄ solution is moss-green. 2,7-Dimethylnaphthacene-
 9,10-quinone, yellow, m. 223°; the deep purple-red solution in concentrated
 H₂SO₄ fades on dilution. Diphenylcarbamyl chloride (II), tetralin, AlC₁₃ and
 CS₂, refluxed 3 hrs., give 1,2,3,4-tetrahydro-6-naphthodiphenylamide, m.
 87-8°; hydrolysis gives 1,2,3,4-tetrahydro-6-naphthoic acid, m. 154
 (acid chloride (III), b12 163°);
 1,2,3,4-tetrahydro-6-naphthanilide, m. 147°. III (28 g.), 30 g.
 m-C₆H₄Me₂, CS₂ and AlC₁₃, refluxed 3 hrs., give 36.5 g. of
 6-(2',4'-dimethylbenzoyl)-1,2,3,4-tetrahydronaphthalene (IV), pale yellow,
 b10 223°; IV also results in 35.5 g. yield from 30 g.
 2,4-Me₂C₆H₃COCl, 30 g. tetralin and 30 g. AlC₁₃. Pyrolysis of IV gives a
 mixture of 2-methylnaphthacene (V), golden orange, m. 350°,
 7-methyl-1,2,3,4-tetrahydronaphthacene and 7-methyl-1,2-benzanthracene;
 the last 2 could not be separated but on dehydrogenation with Se yielded a
 mixture of V and 7-methyl-1,2-benzanthracene, separated by crystallization
 from AcOH.
 2,6-C10H6Me₂ on catalytic reduction (Mo catalyst) at 390-400° for 6
 hrs. gives 25-30% of the 1,2,3,4-tetrahydro derivative (VI), b. 237-9°,
 m. 14-17°; there also results some 2,6-dimethyldecalin, b.
 216-7°; probably other isomers are formed. 2,7-C10H6Me₂ (250 g.)
 at 300° for 4 hrs. gives 84 g. of the 1,2,3,4-tetrahydro derivative
 (VII), b. 237-8°; a 2,7-dimethyldecalin, b. 216-8°, is also
 formed. VI and II with AlC₁₃ in CS₂ give
 2,6-dimethyl-1,2,3,4-tetrahydro-7-naphthoic acid, m. 183°, after
 hydrolysis of the amide; Se gives 2,6,3-Me₂C10H5CO₂H; VII yields
 2,7-dimethyl-1,2,3,4-tetrahydro-6-naphthoic acid, m. 187°. VI,
 sulfonated, the Na salt treated with PC15 and the chloride with
 NH₄OH, gives 2,6-dimethyl-1,2,3,4-tetrahydronaphthalene-7-sulfonamide,
 cream, m. 166-7°. Fusion of the Na salt with KOH at 300-40°
 gives 2,6-dimethyl-1,2,3,4-tetrahydro-7-naphthol, m. 116°.
 2,7-Dimethyl-1,2,3,4-tetrahydro-6-sulfonamide, cream, m. 145.5°;
 the 6-naphthol m. 87°. 7-p-Tolyl-2,6-dimethyl-1,2,3,4-

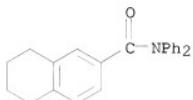
tetrahydronaphthalene, m. 95°; 6-benzoyl-2,7-dimethyl derivative, b4 202°; 6-p-tolyl analog, b2 199°. Pyrolysis of these ketones gives: 2,6-dimethyl-1,2,3,4-tetrahydronaphthacene, pale yellow, m. 214°; 2-Me derivative, pale yellow, m. 203°; 2,7-di-Me derivative, pale yellow, m. 210°. Dehydrogenation gives the naphthacene compds.; the 2,6-di-Me derivative is less readily dehydrogenated. Both the tetrahydronaphthols have "wetting-out" properties but the 2,6-isomer is much superior.

IT 859071-22-0P, 2-Naphthamide, 5,6,7,8-tetrahydro-N,N-diphenyl-

RL: PREP (Preparation)
(preparation of)

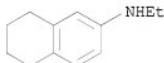
RN 859071-22-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



L5 ANSWER 42 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1928:20295 CAPLUS
 DOCUMENT NUMBER: 22:20295
 ORIGINAL REFERENCE NO.: 22:2379b-c
 TITLE: Hydrogenated naphthylamines
 PATENT ASSIGNEE(S): Soc. anon. pour l'ind. chim. a Bale
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 276571		19270224	GB	<--
AB	ar-Tetrahydronaphthylamine derivs. are made by subjecting N-substituted naphthylamines to catalytic hydrogenation, and the hydrogenated naphthylamines themselves may be made by using an acetyl derivative as the starting material and subsequently saponifying Examples are given for the production of ar-N-ethyltetrahydronaphthylamine, ar-acetyltetrahydro-β-naphthalide, ar-N-phenyltetrahydro-α-naphthylamine and acetylated ar-tetrahydro-N-ethyl-α-naphthylamine.			
IT	856213-39-3P, 2-Naphthylamine, N-ethyl-5,6,7,8-tetrahydro- RL: PREP (Preparation) (preparation of)			
RN	856213-39-3 CAPLUS			
CN	2-Naphthalenamine, N-ethyl-5,6,7,8-tetrahydro- (CA INDEX NAME)			



L5 ANSWER 43 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1924:4947 CAPLUS
 DOCUMENT NUMBER: 18:4947
 ORIGINAL REFERENCE NO.: 18:675g-i,676a-i
 TITLE: Catalytic hydrogenations under pressure in the presence of nickel salts. VI. Nitriles
 AUTHOR(S): v. Braun, Julius; Blessing, Georg; Zobel, Friedrich
 SOURCE: Berichte der Deutschen Chemischen Gesellschaft [Abteilung] B: Abhandlungen (1923), 56B,
 1988-2001
 CODEN: BDCBAD; ISSN: 0365-9488
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 GI For diagram(s), see printed CA Issue.
 AB cf. C. A. 17, 2884. With the author's apparatus nitriles can be quickly and smoothly reduced to mixts. of primary and secondary bases (80-95% yields); only in the case of aliphatic nitriles, especially of the lower series, does the reduction soon come to a standstill, probably because the catalyst is paralyzed by slight decomposition products. The pressure has no influence on the nature of the reduction products and the influence of temperature is also not marked and is very variable; to avoid this last factor the present work was almost all done at 115-25°. Two factors whose influence is extraordinarily pronounced are the nature of the solvent and the concentration. The sum total of the reduction products always increases in passing from hydrocarbons like tetra- or decahydronaphthalene to solvents containing O (alcs., ethers), and by varying such O-containing solvents, an extraordinarily marked shifting of the yield in favor of the primary or of the secondary base can be effected. In all solvents, increasing concentration favors the formation of the primary base, often to a very considerable extent. The mechanism of the reaction is probably as follows: $\text{RCN} \rightarrow \text{RCH:NH} \rightarrow \text{RCH}_2\text{NH}_2$; $\text{RCH:NH} + \text{RCH}_2\text{NH}_2$ o-Substitution products of PhCN give, under the same conditions, less secondary base than m- and p-derivs., α -tetralyl cyanide gives less than the β -isomer. When an alc., R'OH, with an especially mobile HO group (PhCH_2OH , cyclohexanol) is used as solvent, mixed bases are also formed: $\text{RCH:NH} + \text{R}'\text{OH} \rightarrow \text{RCH}(\text{OH})\text{NHR}' \rightarrow \text{RCH}_2\text{NHR}'$. The Ni salt was reduced in an autoclave in the desired solvent, then the nitrile, in the amount of solvent necessary to give the desired concentration in the mixed solution, was drawn in and the reduction effected under an average excess pressure of 20 atmospheric. The H was absorbed at the rate of 1 l. in 2-6 min. Heptyl cyanide, b15 87-8°, in tetralin or decalin gives in 25% solution 15 and 18%, in 70% solution 17 and 21%, resp., of octylamine, b14 72-3°, and dioctylamine, b14 75°. $\text{PhO}(\text{CH}_2)_3\text{CN}$ (I) in tetralin (24%) gives 29% $\text{PhO}(\text{CH}_2)_4\text{NH}_2$, b12 140°, and 47% de- δ -phenoxybutylamine, b15 266°, m. 51-2° (HCl salt, m. 165°; NO derivative, m. 50°; the picrate, Ac and Bz derivs. are oils); heated several hrs. at 100° with fuming HBr, the sec. amine yields di- δ -bromobutylamine dihydrobromide (II), m. 200°, whose aqueous solution, treated with exactly 2 mols. NaOH, almost immediately becomes neutral and clear; on evaporating, extracting with CHCl_3 and adding Et_2O there is at once precipitated the very hygroscopic bispyrrolidinium bromide, $\text{C}_8\text{H}_{17}\text{NBr}_3$, m. 256-8°; the primary product, N- δ -bromobutylpyrrolidine, $(\text{CH}_2\text{CH}_2)_2\text{N}(\text{CH}_2)_2\text{Br}$, formed by intramol. alkylation of the free base of II, cannot be isolated even when the reaction mixture is carefully cooled. When the I is reduced in cyclohexanol (17-25% solution) there is formed, in addition to 37 and 30%, resp., of the

above primary and sec. bases, 15% of the mixed cyclohexyl- γ -phenoxybutylamine, b16 177-9°, isolated as the picrate, m. 110°; the HCl salt is deliquescent and the NO derivative oily. The yields of PhCH₂NH₂ (III), b13 75-80°, and of (PhCH₂)₂NH (IV), b13 160-5°, resp., from PhCN in various solvents (% concentration of the solution in parentheses) are as follows: decalin or tetralin (9) 44, (25) 41, 35 (66) 72, 5; EtOH (9) 59, 14, (66) 71, 8; Am2O (20) 41, 39; in cyclohexanol (16%) in addition to 24 and 11% of III and IV is obtained 35% cyclohexylbenzylamine, b15 145-7° (HCl salt, m. 284°; NO derivative, m. 43°; PhSO₂ derivative, m. 90°); in m-methylcyclohexanol (15%) are obtained 58 and 15% of III and IV and 5% m-methylcyclohexylbenzylamine, b15 155° (NO derivative, oil; HCl salt, m. 249°; HBr salt, m. 250°). The C10H₇CN have to be reduced at 190° in order to absorb the H with reasonable rapidity. The α -compound in decalin or tetralin (45%) gives 70% α -naphthylmethylamine, b12 155° (HCl salt, m. 262-4°; picrate, m. 223°; phenylurea, m. 216°; Ac derivative, m. 134°; PhSO₂ derivative, m. 148°; quaternary MeI salt, m. 213°), and 21% of di- α -naphthylmethylamine, m. 73-4°, isolated as the HCl salt, m. 239°; picrate, m. 202°; NO derivative, m. 147°; quaternary MeI derivative, m. 209-10°. β -C10H₇CN in 50% solution gives 66% β -naphthylmethylamine, b12 148-9°, m. 60° (HCl salt, m. 265°; picrate, m. 226°; Ac derivative, m. 126°; quaternary methiodide, m. 168°), and 17% of di- β -naphthylmethylamine, m. 95% (HCl salt, m. 285°; picrate, m. 126°; NO derivative, m. 132°; quaternary methiodide, m. 217°). The yields of PhCH₂CH₂NH₂ (V) and (PhCH₂CH₂)₂NH (VI), b18 195°, m. 28-30° (picrate, m. 150°; NO derivative, m. 53°; phenylthiourea, m. 113°) from PhCH₂CN in various solvents (concentration of solution in parentheses) are as follows: tetralin or decalin (20) 39, 21, (23) 35, 27, (33) 36, 26, (66) 64, 3; EtOH (14) 8, 78, (25) 20, 60, (50) 22, 62; octyl alc. (50) 55, 38; Ph(CH₂)₂OH (50) 55, 35; ac- β -tetralol (50) 23, 46; cyclopentanol (20) 71, 17; Am2O (15) 13, 75, (66) 57, 29; in cyclohexanol (15%) are obtained 35 and 10% V and VI and 38% β -phenylethylcyclohexylamine, b13 163-9° (HCl salt, m. 199°; picrate, m. 154°); in PhCH₂OH (20%), 61% V and 26% β -phenylethylbenzylamine, b15 186-7° (HCl salt, m. 254°; NO derivative, m. 142°; Bz derivative, m. 123°; picrate, m. 146°); in p-MeC₆H₄CH₂OH (20%), 45% V and 28% β -phenylethyl-p-methylbenzylamine, b14 191-3° (HCl salt, m. 238-40°; picrate, m. 139-41°). PhCH₂CH₂CN in decalin or tetralin (33%) gives 57 and 29%, in Ph(CH₂)₂OH (16%) 70 and 20%, resp., of Ph(CH₂)₃NH₂ (VII), b18 112-4°, and (PhCH₂CH₂CH₂)₂NH, b18 220-2°; in PhCH₂OH (10%) 15% VII and 45% β -phenylpropylbenzylamine, isolated as the HCl salt m. 184-5°. o-MeC₆H₄CN gives in decalin or tetralin (10) 54, 32, (81) 80, 9, in EtOH (14) 72 and 16%, resp., of MeC₆H₄CH₂NH₂ and di-o-methylbenzylamine, b16 190° (HCl salt, m. 202°; picrate, m. 133°). m-MeC₆H₄CN in decalin or tetralin (19, 37 and 82%) yields 54, 70 and 75%, resp., of MeC₆H₄CH₂NH₂ and 32, 14 and 15% of di-m-methylbenzylamine, b14 189-91° (HCl salt, m. 199°; Bz derivative, m. 100°). From p-MeC₆H₄CN (30% solution) are obtained 41% MeC₆H₄CH₂NH₂ and 32% di-p-methylbenzylamine, b30 220°. o-MeC₆H₄C₆H₄CN in 20% solution gives 44 and 22, the p -compound in 50% solution 20 and 24%, resp., of the primary and secondary bases (cf. C. A. 17, 2582). α -Tetralyl cyanide in 20% solution gives 70 and 1.5%, resp., of ar- α -tetralylmethylamine, b14

150°, and of the sec. base, m. 93° (HCl salt, m. 212°; NO derivative, m. 90-1°), while the β -isomer in 30% solution yields 47% of the primary base, btl 147°, and 24% of the sec. base, btl 265-7° (HCl salt, m. 245°; Bz derivative, m. 241-2°; NO derivative, m. 76°).

IT 861318-28-7P, Dimethylamine,
 α,α' -bis(5,6,7,8-tetrahydro-2-naphthyl)-, -HCl

861375-66-8P, Dimethylamine,
 α,α' -bis(5,6,7,8-tetrahydro-2-naphthyl)-

861376-22-9P, Dimethylamine,
N-nitroso- α,α' -bis(5,6,7,8-tetrahydro-2-naphthyl)-
861787-07-7P, Benzamide, N,N-bis(5,6,7,8-tetrahydro-2-

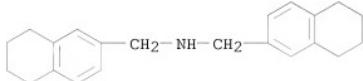
naphthylmethyl)-

RL: PREP (Preparation)

(preparation of)

RN 861318-28-7 CAPLUS

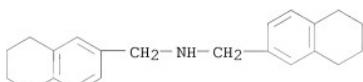
CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

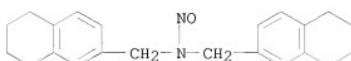
RN 861375-66-8 CAPLUS

CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 861376-22-9 CAPLUS

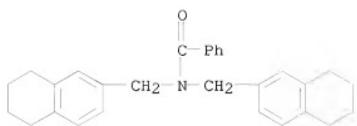
CN 2-Naphthalenemethanamine, 5,6,7,8-tetrahydro-N-nitroso-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 861787-07-7 CAPLUS

CN Benzamide, N,N-bis[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)

10/513699



L5 ANSWER 44 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1922:24682 CAPLUS
 DOCUMENT NUMBER: 16:24682
 ORIGINAL REFERENCE NO.: 16:4202d-i,4203a
 TITLE: Benzopolymethylene compounds. IV. The two ar-aldehydes
 of tetralin
 AUTHOR(S): Braun, Julius V.; Moldaenke, K.; Dirlam, H.; Gruber,
 H.
 SOURCE: Berichte der Deutschen Chemischen Gesellschaft
 [Abteilung] B: Abhandlungen (1922), 55B,
 1700-9
 CODEN: BDCBAD; ISSN: 0365-9488
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

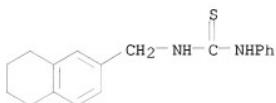
AB When tetralin (A) is treated with CO and HCl in the presence of AlCl₃ it is impossible to prevent the greater part of the A from condensing with itself in the same way as it does with AlCl₃ alone (Schroeter, C. A. 15, 525); the small part that does react with the CO and HCl gives exclusively the ar-tetralin-β-aldehyde (B) (2 g. from 100 g. A). Both B and the α-isomer (C) can be obtained from the ar-tetralin-β- and α-methyamines (D and E, resp.) through the corresponding alcs. Bamberger and Lodter's statement that α-C₁₀H₇CH₂NH₂ on reduction takes up the H in the substituted nucleus (Ber. 20, 1708(1887)) seemed to exclude this compound and the β-isomer as the starting points in the synthesis of B and C. Accordingly the NH₂ group in the α- and β-tetralylamines was replaced by CN, which was then reduced to CH₂NH₂, but the yields are poor. On repeating B.'s work, however, it was found that it is the unsubstituted nucleus which takes up the H on reduction and that the pure D and E can easily be obtained in this way. ar-α-Tetralyl cyanide, obtained in 22% yield from the amine by the Sandmeyer reaction, b15 153°, solidifies to a yellowish crystalline mass m. 48° (Bamberger and Bordt, Ber. 22, 625(1889), describe it as an oil b121 277-9°, which does not solidify), hydrolyzed by fuming HCl in a sealed tube at 120° to the acid, m. 150° (B. and H. give 123°); reduction of the nitrile with Na and alc. gives chiefly A and only about 1/3 is converted into E, oil of basic odor, b11 149-52°, eagerly absorbs CO₂ from the air, also obtained in almost 90% yield from α-C₁₀H₇CH₂NH₂ with 8 atoms of Na in AmOH (in EtOH there is very little reaction); hydrochloride, silvery needles from alc., m. 253°; picrate, golden yellow prisms from alc., m. 242°; acetyl derivative, m. 125°; benzoyl derivative, m. 144°; phenylurea, m. 199°; phenylthiourea, m. 153°. The corresponding ar-α-tetralylmethyamine (from α-C₁₀H₇CN with Na and alc.) forms a hydrochloride m. 230°, picrate m. 169-70°, phenylurea m. 126°, and benzoyl derivative m. 125°. ar-β-Tetralyl cyanide (obtained in 45-60% yield), liquid of a not unpleasant odor, b11 151-2°, m. 20-1°, gives with Na and EtOH 30% of D, b11 146-8°; hydrochloride, m. 248°; picrate, m. 215°; benzoyl derivative, long needles from alc., m. 165°, b10 260-5°; p-nitrobenzoyl derivative, m. 170°; phenylthiourea, m. 130°. D is also obtained in almost 90% yield from β-C₁₀H₇CH₂NH₂ with Na and AmOH. ar-α-Tetralylcarbinol, obtained in 80% yield from E diazotized in AcOH with the calculated amount of NaNO₂ and heated on the H₂O bath until the evolution of gas ceases, b12 154-5°, gives in H₂SO₄ with the calculated amount of K₂C_r2O₇ 1/3 of its weight of C, b12 131-3°, as an almost odorless oil; semicarbazone, m. 187°. KMnO₄ smoothly oxidizes C to the acid.

ar- β -Tetralylcarbinol (yield, 70%), faintly yellow liquid with a strong pleasant odor, b14 148-52°, gives on oxidation 25% of B, liquid of characteristic peppermint-like odor, b14 138°; semicarbazone, m. 219°.

IT 861521-58-6P, Urea, α -phenyl- β -[(5,6,7,8-tetrahydro-2-naphthyl)methyl]thio- 861800-58-0P, Benzamide, N-[(5,6,7,8-tetrahydro-2-naphthyl)methyl]- 861969-08-6P, Benzamide, p-nitro-N-[(5,6,7,8-tetrahydro-2-naphthyl)methyl]-
RL: PREP (Preparation)
(preparation of)

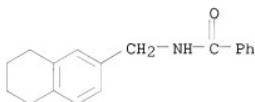
RN 861521-58-6 CAPLUS

CN Thiourea, N-phenyl-N'-(5,6,7,8-tetrahydro-2-naphthalenyl)methyl)- (CA INDEX NAME)



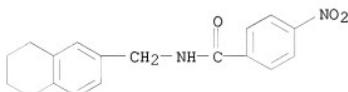
RN 861800-58-0 CAPLUS

CN Benzamide, N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



RN 861969-08-6 CAPLUS

CN Benzamide, 4-nitro-N-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]- (CA INDEX NAME)



L5 ANSWER 45 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1922:10116 CAPLUS
 DOCUMENT NUMBER: 16:10116
 ORIGINAL REFERENCE NO.: 16:1763h-i,1764a-i,1765a-c
 TITLE: Hydrogenated naphthalenes and their transformations.
 II. Nitro and amino derivatives of tetrahydronaphthalene
 AUTHOR(S): Schroeter, G.; Kindermann, E.; Dietrich, C.;
 Beyschlag, C.; Fleischhauer, Cl.; Riebensahm, E.;
 Oesterlin, C.
 SOURCE: Justus Liebigs Annalen der Chemie (1922),
 426, 17-83
 CODEN: JLACBF; ISSN: 0075-4617
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB The work described covers the nitration of C10H12, the reduction of various mono-, di-and tri-NO2 derivs., and the nitration of the Ac derivs. of the amines so obtained. The orientations of a considerable no. of isomeric compds. are definitely established. The mononitration of C10H12, using a mixture of HNO3 and H2SO4, leads to the formation of both 1-and 2-nitro-ar-tetrahydronaphthalene, which may be separated by fractional distillation and "freezing out" the fractions or by taking advantage of the fact that the 2-NO2 compound is more easily reduced than its isomer to an NH2 derivative 1-Nitroderiv. m. 34°, b13 157°, d4040 1.1757, and the 2-NO2 deriv.m. 31.4°, b13 169°, d4040 1.1762. On dinitration, C10H12 yields a mixture of 1-2- and 1,3-dinitro-ar-tetrahydronaphthalene (1,2-derivative, m. 102-3°; 1,3-derivative, m. 95°) which may be separated by crystallization from concentrated H2SO4 in which the former is less soluble. The orientation of the 1,2-compound rests on its reduction (see below) and that of the 1,3- derivative on its oxidation to 3,5-(O2N)2C6H2(CO2H)2 and its reduction. Another oxidation product with HNO3 is β-o-carboxytrinitrophenylpropionic acid, which decomps. violently on heating. The potassium hydrogen salt was analyzed. The 1,3-derivative cannot be further nitrated. The 1,2-derivative yields 1,2,4-trinitro-ar-tetrahydronaphthalene, m. 94.5-5°, the structure of which was established by reduction 1,1-Hydrazo-ar-tetrahydronaphthalene, by reduction of the 1-NO2 derivative with Zn dust and alkali, slender needles, m. 181-3°, and on oxidation with KMnO4 is converted quant. into 1,1-azo-ar-tetrahydro-naphthalene, glistening red needles, m. 190-1°, also obtained, with the 1,1-azoxyderivative, yellow needles, m. 184°, by reduction of the NO2 derivative with Zn and NaOH under less energetic conditions. The benzidine conversion gives rise to 4,4'-diamino-1,1'-di-ar-tetrahydronaphthyl, m.153-4°. The hydrochloride, hydrobromide, sulfate and phosphate are described. The corresponding diazonium salt gives substantive dyes on coupling with various intermediates. 4,4'-Dihydrazino-1,1'-di-ar-tetrahydronaphthalene is formed by reduction with SnCl2; 4,4'-diethoxyderivative, needles, m. 173°. A compound, probably 1,1'-diamino-2,2'-di-ar-tetrahydronaphthyl, results as a by-product in the preparation of the 4,4'-derivative, needles, m.216°; on heating the HCl salt, it yields NH4Cl and a carbazole-like base, separated as the picrate. α-and β-C10H11NH2 are obtained from the corresponding NO2 compds. by catalytic reduction and may also be obtained by reducing the crude mononitration product of C10I2 and separating the isomeric bases by the differences in solubility of their HCl salts in H2O, their methanesulfonates

in 96% EtOH and the difference in the ease with which the bases react with Ac₂O.α-C₁₀H₁₁NH₂.HCl is more easily soluble in H₂O than the β-derivative. The methanesulfonate, leaflets, is soluble in 20 parts hot H₂O, 60 parts cold H₂O and 6 times as soluble in EtOH as the β-derivative. C₆H₄(CO)₂O gives α-tetralylphthalamic acid, needles, m. 182-4° (decomposition), which loses H₂O on heating and gives the imide, long needles, m. 148-50°. The action of Me₂SO₄ on the Ac derivative gives α-acetethylaminotetralin, needles, m. 70-2°, b.p. 182-5°. β-Aminotetralin hydrochloride, large leaflets, is sparingly soluble in cold H₂O, as is the sulfate; the methanedithionate forms leaflets which are sparingly soluble in alc. The phthalamic acid forms glistening needles, m. 156.5-8.5°, and the phthalimide, needles, m. 169-71°. β-Acetethylaminotetralin, needles, m. 67-9°, b.p. 178-80°. The nitration of α-C₁₀H₁₁NH₂ yields 1,4-C₁₀H₁₀(NH₂)NO₂ (Green and Rowe, C. A. 13, 710) and as by-product, 1-acetamino-2-nitrotetralin, needles m. 184-5°, and 1-acetamino-3-nitrotetralin, needles, m. 193°. 1-Amino-2-nitrotetralin, by saponification of the Ac derivative, forms long orange needles, m. 87-8°. 3-Nitro derivative, yellow leaflets, m. 78°, is also obtained by regulated reduction of the 1,3-di-NO₂ derivative. The nitration of β-C₁₀H₁₁NHAc in AcOH gives as the main product 2-acetamino-3-nitrotetralin, long yellow needles, m. 134-35.5°, while 2-amino-1-nitrotetralin, needles, m. 128-9°, is produced only in small amounts. In H₂SO₄, the main product is 2-acetamino-4-nitrotetralin, long needles, m. 194°, with the 3-NO₂ derivative as a by-product. 2-Amino-3-nitrotetralin, long red needles, m. 125-7°. Me₂SO₄ gives the methyl derivative, fine red needles, m. 113-5°, which, with Ac₂O, gives an acetyl derivative, AcNMeC₁₀H₁₀NO₂, m. 107-8.5°. 2-Amino-1-nitrotetralin, red needles, m. 96°, obtained by hydrolysis of the Ac derivative and also by partial reduction of the 1,2-(NO₂)₂ derivative. 2-Amino-4-nitrotetralin, yellow, m. 55°, which may be diazotized and which yields 4-nitro-2-hydroxytetrahydronaphthalene, amorphous body. The diazo compound may be easily reduced to 1-O₂NC₁₀H₁₁. 1,3-Dinitro-2-acetaminotetralin is formed by the further nitration of the 3-NO₂ derivative, needles, m. 189-91°. 1,3-Dinitro-2-aminotetralin, yellow needles, m. 166-8°. 3,4-Dinitro-2-acetaminotetralin, needles, m. 175-7°, yields, on hydrolysis, 3,4-dinitro-2-aminotetralin, long golden yellow needles, m. 157°. Tetrahydro-2,3-naphthylenediamine, by catalytic reduction of the 3-NO₂ derivative with H, glistening leaflets, m. 135-6°, b.p. 165°. The hydrochloride forms glistening leaflets. With AcOH it forms 2,3-tetralylenem-μ-methyliimidazole, m. 251-2°, and with phenanthrenequinone 2,3-tetralylenephenanthrazine, pale yellow, glistening needles, m. 214-6°. 1-Acetamino-2-aminotetralin, m. 149-51°, yields with Ac₂O the 1,2-diacetate, m. 244-5°; 1,2-tetralylphenanthrazine, small, light yellow needles, m. 230°. 1,3-Diaminotetralin forms pearly leaflets, m. 84-5°, the 3-acetate of which forms glistening needles, m. 110-1°, the 1-acetate, m. 173°, and the diacetate, small needles, m. 245-6°. Monoacetyl-1,4-diaminotetralin, glistening needles, m. 154-6°. 1,2,3-Triaminotetralin, by reduction of the 3,4-(NO₂)₂ or the 1,3-(NO₂)₂ derivative, is unstable in air but gives a crystalline hydrochloride, and a triacetate, needles, m. 285°. 1,2,4-Triaminotetralin, also unstable, forms a triacetate, fine needles, m. 315°.

IT 861352-73-0P, 2-Naphthylamine, 5,6,7,8-tetrahydro-, methanesulfonate

10/513699

RL: PREP (Preparation)
(preparation of)
RN 861352-73-0 CAPLUS
CN Methanedisulfonic acid, compd. with 5,6,7,8-tetrahydro-2-naphthalenamine
(1:1) (CA INDEX NAME)

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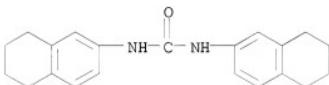
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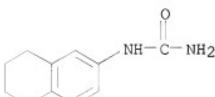
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(2 CITINGS)

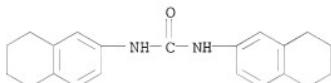
L5 ANSWER 46 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1919:229 CAPLUS
 DOCUMENT NUMBER: 13:229
 ORIGINAL REFERENCE NO.: 13:43b-e
 TITLE: Transformation of tetrahydronaphthalene (tetralin) in the animal body
 AUTHOR(S): Schroeter, G.; Thomas, K.
 SOURCE: Journal of the Chemical Society, Abstracts (1918), 114(I), 418
 CODEN: JCSAAZ; ISSN: 0590-9791
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Tetrahydronaphthalene fed to a dog is absorbed and eventually excreted in combination with urea. The existence of 4 compds. of tetrahydronaphthalene and urea is theoretically possible, and the authors have succeeded in preparing all of them by the interaction of KCNO on the respective amines in H₂O. ar-Tetrahydro- α -carbamidonaphthalene, C₁₁H₁₄ON₂, crystallizes in square plates from alc., soften at 198° and melts at about 206° (quickly heated, at 212°). ar-Tetrahydro- β -carbamidonaphthalene, needles, m. 134° (decomposition). ac-Tetrahydro- α -carbamidonaphthalene, needles, m. 210.5°. ac-Tetrahydro- β -carbamidonaphthalene, needles, m. 183°. Comparison of the natural product with these compds. shows that tetralin in its passage through the body is converted into dl-ac-tetrahydro- α -carbamidonaphthalene. In the preparation of the ar- β -compds., a small amount of a substance was obtained in the form of needles, which did not melt below 245° and possessed the composition of di-ar-tetrahydro- β -naphthylcarbamide, (C₁₀H₁₂N)₂CO.
 IT 871892-48-7P, Urea, s-bis(5,6,7,8-tetrahydro-2-naphthyl)-
 872283-39-1P, Urea, (5,6,7,8-tetrahydro-2-naphthyl)-
 RL: PREP (Preparation)
 (preparation of)
 RN 871892-48-7 CAPLUS
 CN Urea, N,N'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



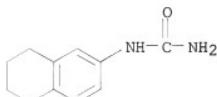
RN 872283-39-1 CAPLUS
 CN Urea, N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



L5 ANSWER 47 OF 47 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1919:228 CAPLUS
 DOCUMENT NUMBER: 13:228
 ORIGINAL REFERENCE NO.: 13:43b-e
 TITLE: Transformation of tetrahydronaphthalene (tetralin) in the animal body
 AUTHOR(S): Schroeter, G.; Thomas, K.
 SOURCE: Z. physiol. Chem. (1918), 101, 262-75
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Tetrahydronaphthalene fed to a dog is absorbed and eventually excreted in combination with urea. The existence of 4 compds. of tetrahydronaphthalene and urea is theoretically possible, and the authors have succeeded in preparing all of them by the interaction of KCNO on the respective amines in H₂O. ar-Tetrahydro- α -carbamidonaphthalene, C₁₁H₁₄ON₂, crystallizes in square plates from alc., softens at 198° and melts at about 206° (quickly heated, at 212°). ar-Tetrahydro- β -carbamidonaphthalene, needles, m. 134° (decomposition). ac-Tetrahydro- α -carbamidonaphthalene, needles, m. 210.5°. ac-Tetrahydro- β -carbamidonaphthalene, needles, m. 183°. Comparison of the natural product with these compds. shows that tetralin in its passage through the body is converted into dl-ac-tetrahydro- α -carbamidonaphthalene. In the preparation of the ar- β -compds., a small amount of a substance was obtained in the form of needles, which did not melt below 245° and possessed the composition of di-ar-tetrahydro- β -naphthylcarbamide, (C₁₀H₁₂N)₂CO.
 IT 871892-48-7P, Urea, s-bis(5,6,7,8-tetrahydro-2-naphthyl)-
 872283-39-1P, Urea, (5,6,7,8-tetrahydro-2-naphthyl)-
 RL: PREP (Preparation of)
 RN 871892-48-7 CAPLUS
 CN Urea, N,N'-bis(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



RN 872283-39-1 CAPLUS
 CN Urea, N-(5,6,7,8-tetrahydro-2-naphthalenyl)- (CA INDEX NAME)



10/513699

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L4 116 S L3 FULL
L5 47 S L4 AND PY<2005

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